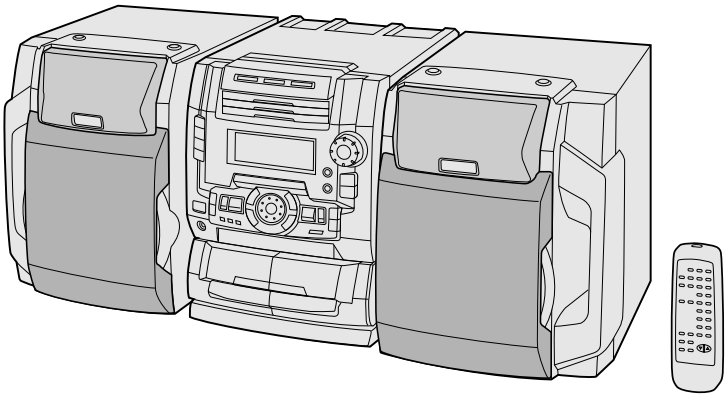
SHARP SERVICE MANUAL

No. YS792CDC1W///



CD-C1W
CP-C1W

COMPACT disc DIGITAL AUDIO

- SRS technology Licensed from SRS Labs. SRS technology holds the following patents: U.S. Patent No. 4,748,669 and U.S. Patent No. 4,841,572.
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DOLBY B NR

- Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.
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• In the interests of user-safety the set should be restored to its original condition and only parts identical to those specified should be used.

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SHARP CORPORATION

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The contents are subject to change without notice.

SAFETY PRECAUTION FOR SERVICE MANUAL

WARNINGS

THE AEL (ACCESSIBLE EMISSION LEVEL) OF THE LASER POWER OUTPUT IS LESS THAN CLASS 1 BUT THE LASER COMPONENT IS CAPABLE OF EMITTING RADIATION EXCEEDING THE LIMIT FOR CLASS 1. THEREFORE IT IS IMPORTANT THAT THE FOLLOWING PRECAUTIONS ARE OBSERVED DURING SERVICING TO PROTECT YOUR EYES AGAINST EXPOSURE TO THE LASER BEAM.

1-WHEN THE CABINET IS REMOVED, THE POWER IS TURNED ON WITDOUT A COMPACT DISC IN POSITION AND THE PICK-UP IS ON THE OUTER EDGE THE LASER WILL LIGHT FOR SEVERAL SECONDS TO DETECT A DISC. DO NOT LOOK INTO THE PICK-UP LENS.

2-THE LASER POWER OUTPUT OF THE PICK-UP UNIT AND REPLACEMENT SERVICE PARTS ARE ALL FACTORY PRE-SET BEFORE SHIPMENT.
DO NOT ATTEMPT TO RE-ADJUST THE LASER PICK-UP UNIT DURING REPLACEMENT OR SERVICING.

3-UNDER NO CIRCUMSTANCES STARE INTO THE PICK-UP LENS AT ANY TIME.

4-CAUTION-USE OF CONTROLS OR ADJUSTMENTS, OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

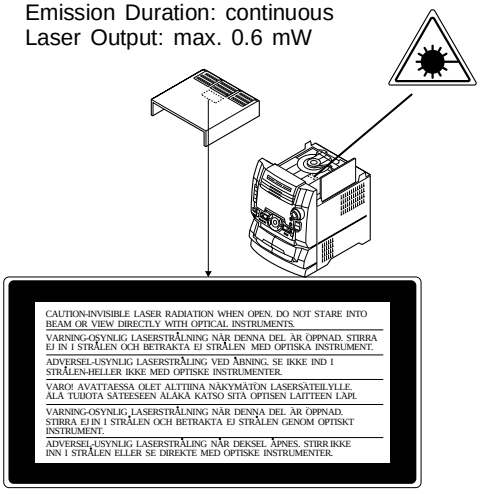
CAUTION

CLASS 1 LASER PRODUCT
APPAREIL À LASER DE CLASSE 1
PRODUCTO LASER DE CLASE 1

- This Mini Component System is classified as a CLASS 1 LASER product.
- The CLASS 1 LASER PRODUCT label is located on the rear cover.
- Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

  As the laser beam used in this compact disc player is harmful to the eyes, do not attempt to disassemble the cabinet. Refer servicing to qualified personnel only.

Laser Diode Properties
Material: GaAlAs
Wavelength: 780 nm
Emission Duration: continuous
Laser Output: max. 0.6 mW


CAUTION-INVISIBLE LASER RADIATION WHEN OPEN. DO NOT STARE INTO BEAM OR VIEW DIRECTLY WITH OPTICAL INSTRUMENTS.
VARNING-OSYNLIG LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD. STIRRA EJ IN I STRÅLEN OCH BETRAKTA EJ STRÅLEN MED OPTISKA INSTRUMENT.
ADVERSEL-USYNLIG LASERSTRÅLING VED ÅBNING. SE IKKE IND I STRÅLEN-HELLER IKKE MED OPTISKE INSTRUMENTER.
VARO! AVATTAESSA OLET ALTTIINA NÄKYMÄTÖN LASERSÄTEILYLLE. ÄLÄ TUIJOTA SÄTEESEEN ÄLÄKÄ KATSO SITÄ OPTISEN LAITTEEN LAPI.
VARNING-OSYNLIG LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD. STIRRA EJ IN I STRÅLEN OCH BETRAKTA EJ STRÅLEN GENOM OPTISKT INSTRUMENT.
ADVERSEL-USYNLIG LASERSTRÅLING NÅR DEKSEL ÅPNES. STIRR IKKE INN I STRÅLEN ELLER SE DIREKTE MED OPTISKE INSTRUMENTER.

VARO !	Avattaessa ja suojalukitus ohitettaessa olet alttiina näkymättömälle lasersäteilylle. Älä katso säteeseen.
VARNING!	Osynlig laserstralning när denna del är öppnad och spärren är urkopplad. Betrakta ej strålen.

VOLTAGE SELECTION

The voltage selector is located on the AC voltage selector box. If adjustment is necessary, use a screwdriver in order to turn the selector in either direction until the correct voltage figure is displayed in the window next to the adjustment screw.

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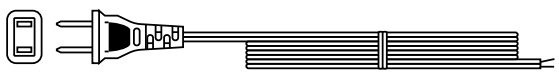

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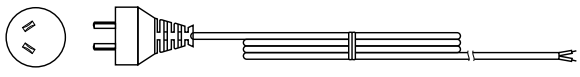

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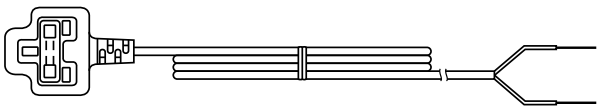

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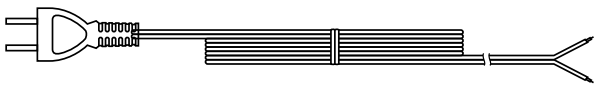

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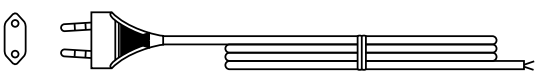

92LPLUG155A

92LPLUG027

Figure 2 AC POWER SUPPLY CORD AND AC PLUG ADAPTOR

SPECIFICATIONS

CD-C1W

● General

Power source: AC 110/127/220/230-240 V, 50/60 Hz
Power consumption: 500 W
Dimensions: Width; 270 mm (10-5/8")
Height; 356 mm (14-3/16")
Depth; 355 mm (14")
Weight: 10.5 kg (23.1 lbs.)

● Amplifier section

Output power: PMPO; 2400 W (total)
MPO; 440 W (220 W + 220 W)
(10 % T.H.D.)
RMS; 300 W (150 W + 150 W)
(10 % T.H.D.)
Input terminals: Video/Auxiliary (audio signal); 500 mV/47 kohms
Output terminals: Speakers; 6 ohms
Headphones; 16-50 ohms (recommended; 32 ohms)
Line output; 500 mV/47 kohms

● Compact disc player section

Type: 3-disc multi-play compact disc player
Signal readout: Non-contact, 3-beam semiconductor laser pickup
Rotational speed: 200 - 500 rpm CLV, Approx.
Error correction: CIRC (Cross Interleave Reed-Solomon Code)
Quantization: 16-bit linear
Filter: 4-times oversampling digital filter
D/A converter: 1-bit D/A converter
Frequency response: 20 - 20,000 Hz
Dynamic range: 90 dB (1 kHz)
Wow and flutter: Unmeasurable
(less than 0.001% W. peak)

● Tuner section

Frequency range: FM; 88 - 108 MHz
SW2; 9.5 - 21.85 MHz
SW1; 3.2 - 7.3 MHz
MW; 531 - 1,602 kHz

● Cassette deck section

Type: Compact cassette tape
Frequency response: 50 - 14,000 Hz (Normal tape)
50 - 15,000 Hz (CrO_2 tape)
Motor: DC motor with electronic governor × 1
Signal/noise ratio: 55 dB (TAPE 1, playback, Dolby NR off)
50 dB (TAPE 2, recording/playback, Dolby NR off)
Dolby NR effect; 10 dB
(at over 5 kHz)
Bias and erasure system: AC
Tape speed: 4.76 cm/sec. (1-7/8 ips.)
Wow and flutter: 0.15 % (WRMS)
Heads: TAPE-1: Playback × 1
TAPE-2: Record/playback × 1
Erase × 1

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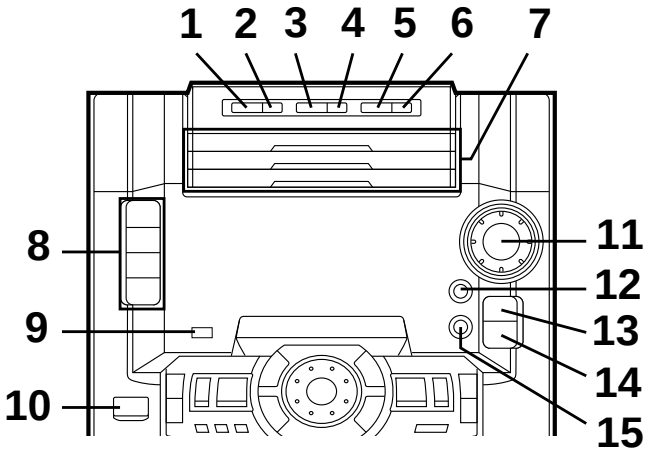
● Speaker section

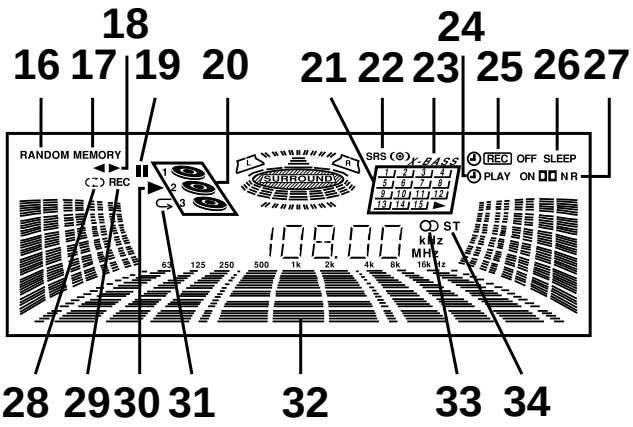
Type: 3-way type [20 cm (7-7/8") woofer, 8 cm (3-3/16") tweeter and super tweeter]
Rated input power: 150 W
Maximum input power: 300 W
Impedance: 6 ohms
Dimensions: Width; 295 mm (11-5/8")
Height; 361 mm (14-1/4")
Depth; 378 mm (14-15/16")
Weight: 6.7 kg (14.8 lbs.)/each

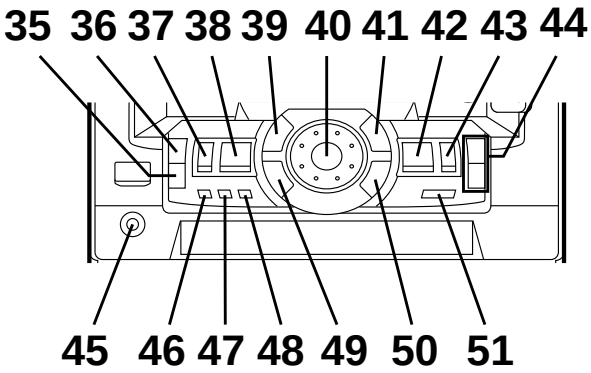
NAMES OF PARTS

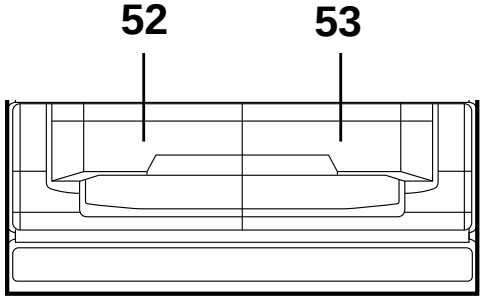
CD-C1W

■ Front panel





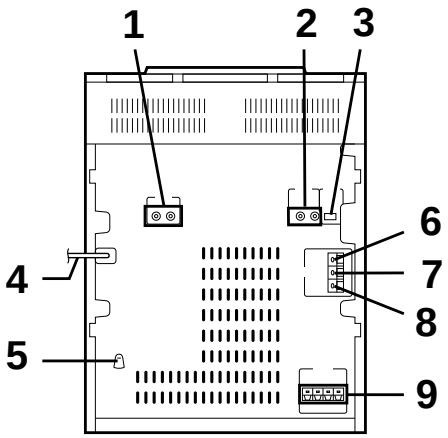




1. Disc 1 Select/Direct Play Button
2. Disc 1 Open/Close Button
3. Disc 2 Select/Direct Play Button
4. Disc 2 Open/Close Button
5. Disc 3 Select/Direct Play Button
6. Disc 3 Open/Close Button
7. Disc Trays
8. Function Selector Buttons
9. Remote Control Sensor
10. On/Stand-by Button
11. Volume Control
12. Extra Bass Button
13. 3D Surround Mode Button
14. 3D Surround Pass Button
15. Equalizer Selector/Demo Mode Button
16. (CD) Random Play Indicator
17. (CD/TUNER) Memory Indicator
18. (TAPE 2) Direction Indicators
19. (CD) Pause Indicator
20. (CD) Disc Number Indicators
21. (CD) Music Schedule Indicators
22. SRS Indicator
23. Extra Bass Indicator
24. Timer Play Indicator
25. Timer Record Indicator
26. Sleep Indicator
27. (TAPE) Dolby NR Indicator
28. (TAPE) Reverse Mode Indicator
29. (TAPE) Record Indicator
30. (CD) Play Indicator
31. (CD) Repeat Indicator
32. Spectrum Analyzer/Volume Level Indicator
33. FM Stereo Indicator
34. FM Stereo Mode Indicator
35. (CD) Clear Button
36. Memory/Set Button
37. (TAPE) Reverse Mode Button
38. (TAPE) Reverse Play Button
39. (TUNER) Tuning Down Button
    (CD) Track Down/Review Button
    (TAPE) Fast Wind Button
40. Jog Dial
41. (TUNER) Tuning Up Button
    (CD) Track Up/Cue Button
    (TAPE) Fast Wind Button
42. (CD) Play/Repeat Button
    (TAPE) Forward Play Button
43. (TAPE) Record Pause Button
44. (TAPE) Editing Speed Selector Buttons
45. Headphone Socket
46. Clock Button
47. Timer Button
48. Sleep Button
49. (CD) Pause Button
50. (CD/TAPE) Stop Button
51. (TAPE) Dolby NR Button
52. (TAPE 1) Cassette Compartment
53. (TAPE 2) Cassette Compartment

■ Rear panel

1. Video/Auxiliary (Audio Signal) Input Sockets
2. Line Output Sockets
3. Span Selector Switch
4. AC Power Lead
5. AC Voltage Selector
6. FM 75 Ohms Aerial Terminal
7. Aerial Earth Terminal
8. SW1/SW2/MW Aerial Terminal
9. Speaker Terminals



■ Remote control

1. Remote Control Transmitter LED

● CD control section

2. Track Down/Review Button
3. Track Up/Cue Button
4. CD Select/Direct Play Buttons
5. Play/Repeat Button
6. Stop Button
7. Memory Button
8. Clear Button
9. Random Button
10. Pause Button

● Tuner control section

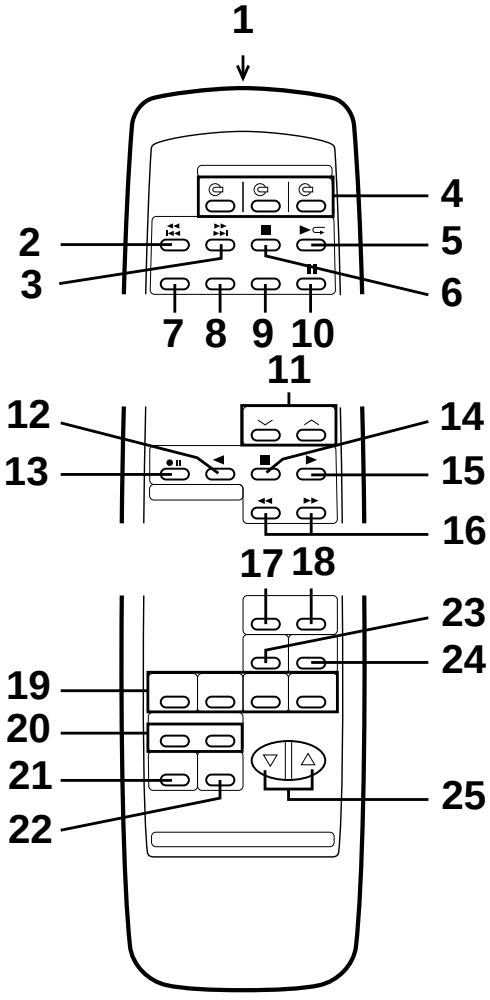
11. Preset Up/Down Buttons

● Tape control section

12. Reverse Play Button
13. Record Pause Button
14. Stop Button
15. Forward Play Button
16. Fast Wind Buttons

● Common section

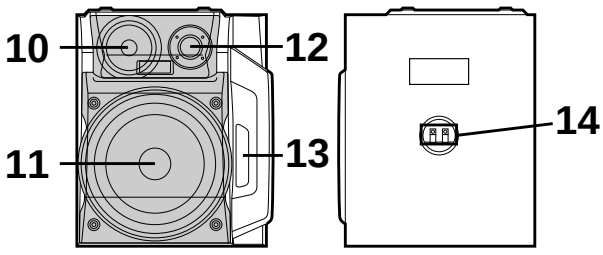
17. 3D Surround Pass Button
18. 3D Surround Mode Button
19. Function Selector Buttons
20. Balance Buttons
21. On/Stand-by Button
22. Dimmer Button
23. Equalizer Mode Button
24. Extra Bass Button
25. Volume Up/Down Button



CP-C1W

■ Speaker section

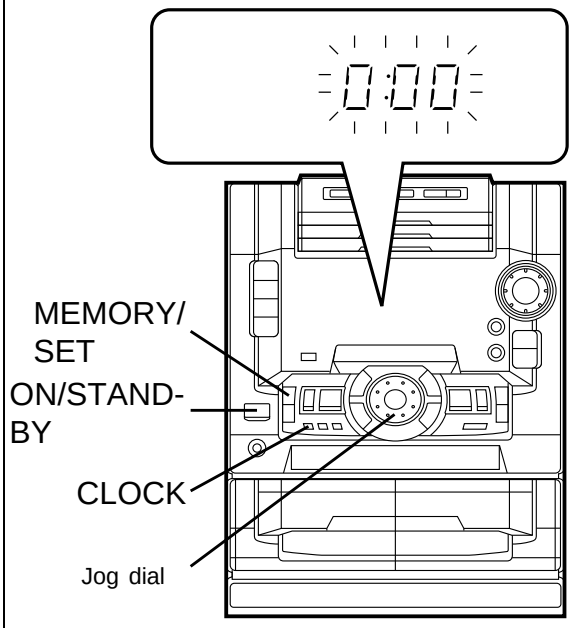
10. Tweeter
11. Woofer
12. Super Tweeter
13. Bass Reflex Duct
14. Speaker Terminals

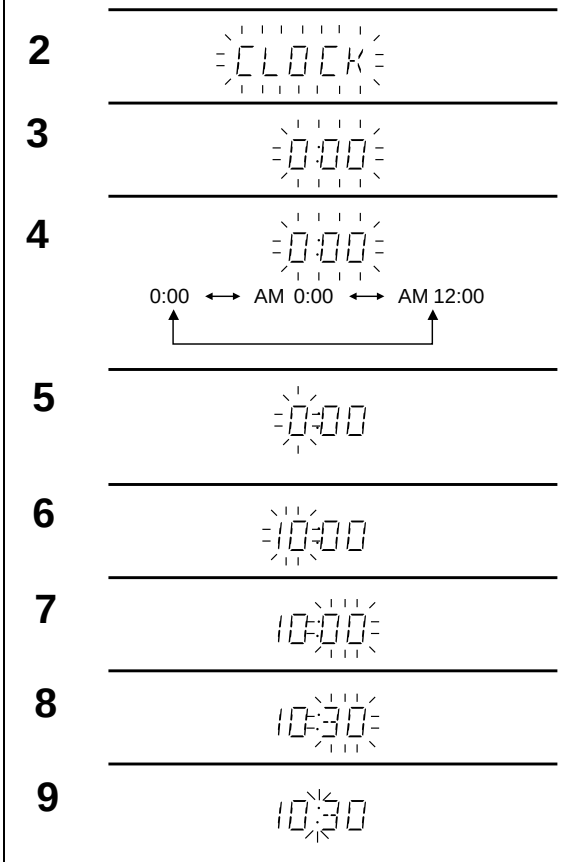


OPERATION MANUAL

SETTING THE CLOCK

In this example, the clock is set for the 24-hour (0:00) system.





1 Press the ON/STAND-BY button to enter the stand-by mode.

2 Press the CLOCK button.

3 Within 5 seconds, press the MEMORY/SET button.

4 Turn the jog dial to select the time display mode.

"0:00" → The 24-hour display will appear. (0:00 - 23:59)
"AM 12:00" → The 12-hour display will appear. (AM or PM 12:00 - 11:59)
"AM 0:00" → The 12-hour display will appear. (AM or PM 0:00 - 11:59)

- Note that this can only be set when the unit is first installed or it has been reset (see page 25).

5 Press the MEMORY/SET button.

6 Adjust the hour by turning the jog dial.

- Turn the dial one click to advance the time by 1 hour. Keep turning the dial to advance continuously.
- When the 12-hour display is selected, "AM" will change automatically to "PM".

7 Press the MEMORY/SET button.

8 Adjust the minutes by turning the jog dial.

- Turn the dial one click to advance the time by 1 minute. Keep turning the dial to advance continuously.
- The hour setting will not advance even if minutes advance from "59" to "00".

9 Press the MEMORY/SET button.

- The clock starts operating from "0" seconds. (Seconds are not displayed.)

Note:

- In the event of a power failure or when the AC power lead is disconnected, the clock display will go out.
  When the AC power supply is restored, the clock display will flash on and off to indicate the time when the power failure occurred or when the AC power lead was disconnected.
  If this happens, follow the procedure below to change the clock time.

To change the clock time:

When the unit is in the stand-by mode:

① Press the MEMORY/SET button.
② Perform steps 6 - 9 above.

When the unit is on:

① Press the CLOCK button.
② Within 5 seconds, press the MEMORY/SET button.
③ Perform steps 6 - 9 above.

To see the time display:

Press the CLOCK button.

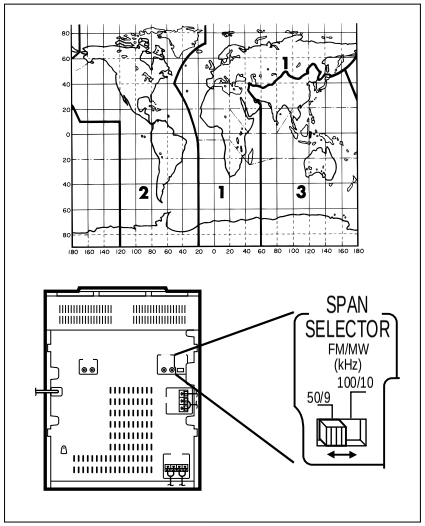
- The time display will appear for about 5 seconds.

To change the time display mode:

① Perform steps 1 - 2 in the section "RESETTING THE MICROCOMPUTER", on page 25.

② Perform steps 1 - 9 above.

(Continued)



■ FM/MW interval (span)

The International Telecommunication Union (ITU) has established that member countries should maintain either a 10 kHz or a 9 kHz interval between broadcasting frequencies of any MW station. The illustration shows the 9 kHz interval zones (regions 1 and 3), and the 10 kHz interval zone (region 2).

Before using the unit, set the SPAN SELECTOR switch (on the rear panel) to MW tuning interval (span) of your area.

To change the tuning zone:

1 Press the ON/STAND-BY button to enter the stand-by mode.

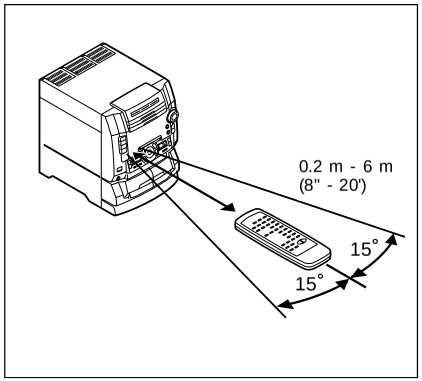
2 Set the SPAN SELECTOR switch to "50/9" for 9 kHz MW interval (50 kHz FM interval), and "100/10" for 10 kHz MW interval (100 kHz FM interval).

3 Press and hold down the button, the EQ/DEMO button and the ON/STAND-BY button all at the same time. Hold them for at least 1 second.

Caution:

- The operation explained above will erase all data stored in memory including clock and timer settings, and tuner and CD presets.

(Continued)

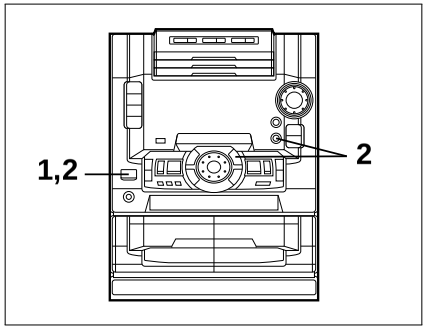


■ Remote control

Notes concerning use:

- Replace the batteries if control distance decreases or operation becomes erratic.
- Periodically clean the transmitter LED on the remote control and the sensor on the main unit with a soft cloth.
- Exposing the sensor on the main unit to strong light may interfere with operation. Change the lighting or the direction of the unit.
- Keep the remote control away from moisture, excessive heat, shock, and vibrations.

RESETTING THE MICROCOMPUTER



Reset the microcomputer under the following conditions:

- To erase all of the stored memory contents (clock and timer settings, and tuner and CD presets).
- If the display is not correct.
- If the operation is not correct.

1 Press the ON/STAND-BY button to enter the stand-by mode.

2 Press and hold down the button, the EQ/DEMO button and the ON/STAND-BY button all at the same time. Hold them for at least 1 second.

DISASSEMBLY

Caution on Disassembly

Follow the below-mentioned notes when disassembling the unit and reassembling it, to keep it safe and ensure excellent performance:

1. Take cassette tape and compact disc out of the unit.
2. Be sure to remove the power supply plug from the wall outlet before starting to disassemble the unit.
3. Take off nylon bands or wire holders where they need be removed when disassembling the unit. After servicing the unit, be sure to rearrange the leads where they were before disassembling.
4. Take suff cient care on static electricity of integrated circuits and other circuits when servicing.

CD-C1W

STEP	REMOVAL	PROCEDURE	FIGURE
1	Top Cabinet	1. Screw ..... (A1) x4	8-1
2	Side Panel (Left/Right)	1. Screw ..... (B1) x6 2. Screw ..... (B2) x4	8-1
3	CD Changer Block	1. Flat cable ..... (C1) x1 2. Screw ..... (C2) x2 3. Screw ..... (C3) x2	8-2
4	Tuner PWB	1. Screw ..... (D1) x8 2. Screw ..... (D2) x1 3. Screw ..... (D3) x4	9-1
5	Main PWB	1. Socket ..... (E1) x3 2. Flat Cable ..... (E2) x1 3. Flat Wire ..... (E3) x2 4. Screw ..... (E4) x2 5. Screw ..... (E5) x2	9-1
6	Front Panel	1. Flat Wire ..... (F1) x2 2. Screw ..... (F2) x1 3. Screw ..... (F3) x2	9-1
7	Display PWB	1. Knob ..... (G1) x2 2. Nut ..... (G2) x1 3. Screw ..... (G3) x12	9-2
8	CD Switch PWB	1. Screw ..... (H1) x3	9-2
9	Headphones PWB	1. Screw ..... (J1) x1	9-2
10	Tape Mechanism	1. Open the cassette holder 2. Screw ..... (K1) x6	9-2
11	Power Amp. PWB	1. Socket ..... (L1) x1 2. Screw ..... (L2) x4 3. Screw ..... (L3) x2	9-3
12	Power Supply PWB	1. Screw ..... (M1) x1 2. Screw ..... (M2) x4	9-4
13	CD Changer Holder	1. Screw ..... (N1) x3	9-4
14	CD Servo PWB (Note)	1. Socket ..... (P1) x6 2. Screw ..... (P2) x3	9-5
15	Tray Switch PWB	1. Screw ..... (Q1) x1	9-5
16	CD Mechanism	1. Screw ..... (R1) x2 2. Top Bord ..... (R2) x1 3. Disc Holder ..... (R3) x1 4. Disc Tray ..... (R4) x3 5. Screw ..... (R5) x1 6. Mechanism Holder Guide ..... (R6) x1 7. Screw ..... (R7) x2 8. Mechanism Holder Bracket ..... (R8) x1 9. Mechanism Holder ... (R9) x1 10. Screw ..... (R10) x4	10-1

Note : After removing the connector for the optical pickup fromthe connector wrap the conductive aluminium foil around the front end of connector so as to protect the optical pickup from electrostatic damage.

CP-C1W

STEP	REMOVAL	PROCEDURE	FIGURE
1	Front Panel	1. Net ..... (A1) x1 2. Net Holder ..... (A2) x4 3. Screw ..... (A3) x4 4. Screw ..... (A4) x2	10-2
2	Speaker	1. Screw ..... (B1) x2 2. Screw ..... (B2) x2 3. Bracket ..... (B3) x1 4. Screw ..... (B4) x2 5. Screw ..... (B5) x4	10-3

CD-C1W

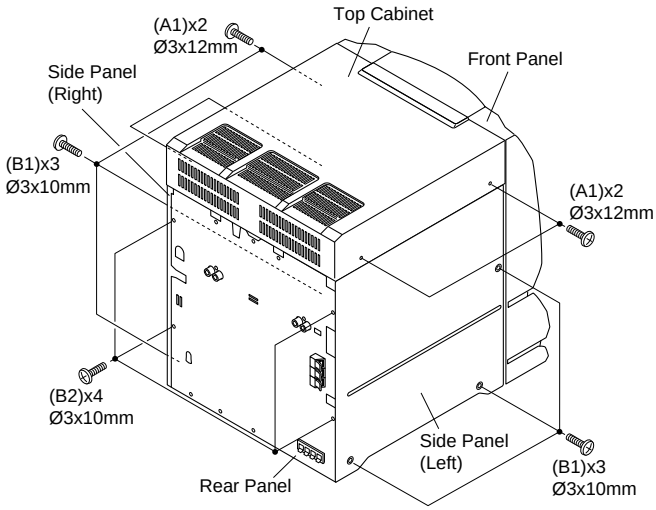


Figure 8-1

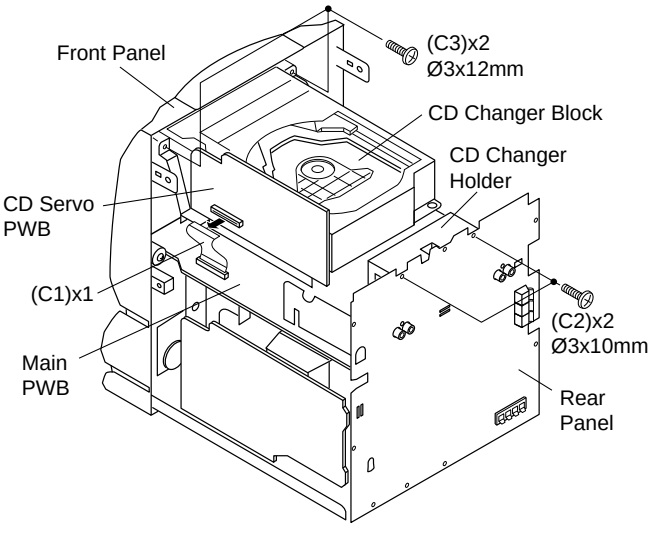


Figure 8-2

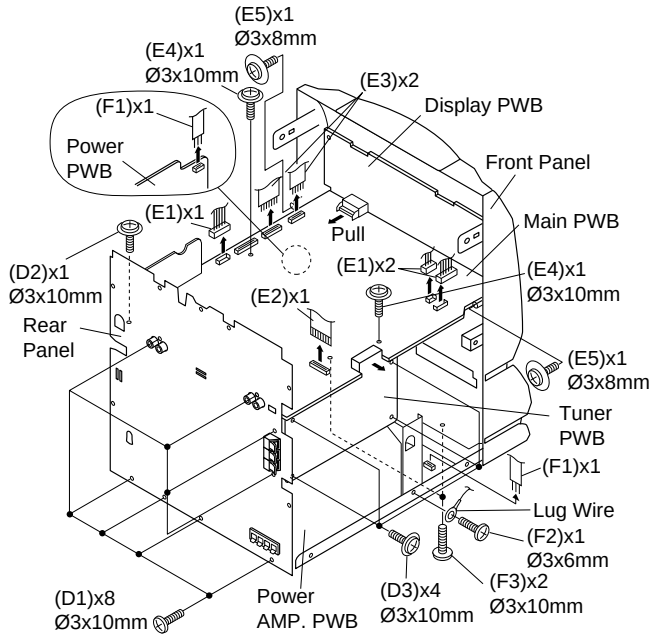


Figure 9-1

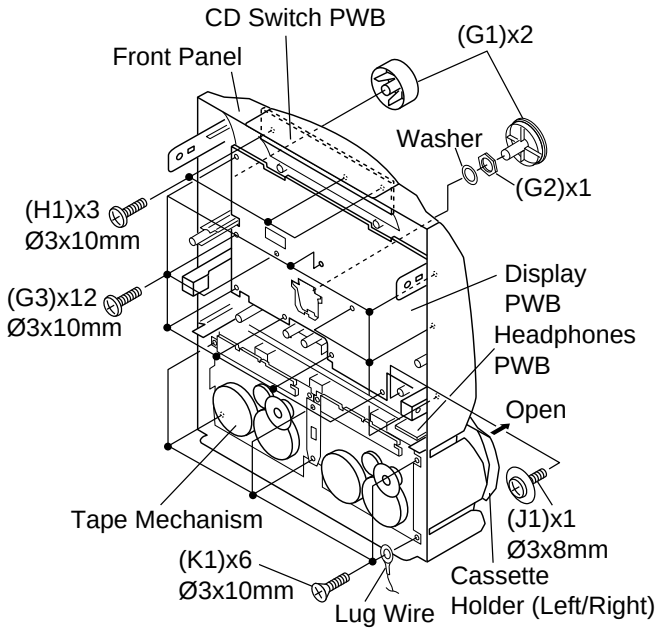


Figure 9-2

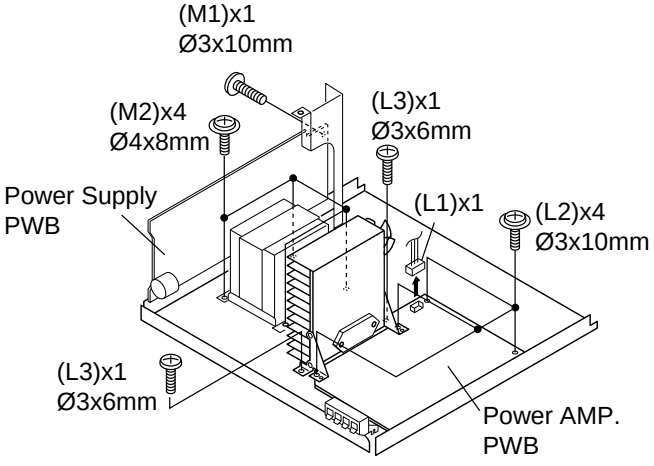


Figure 9-3

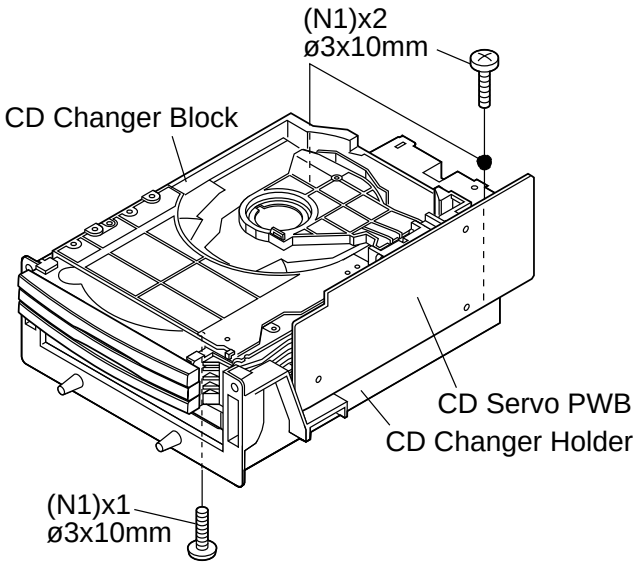


Figure 9-4

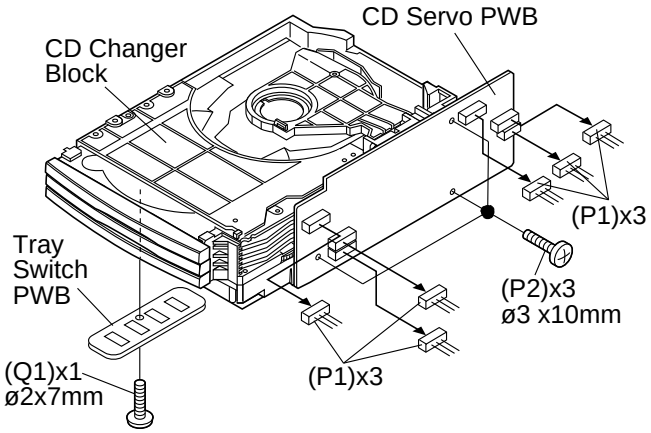
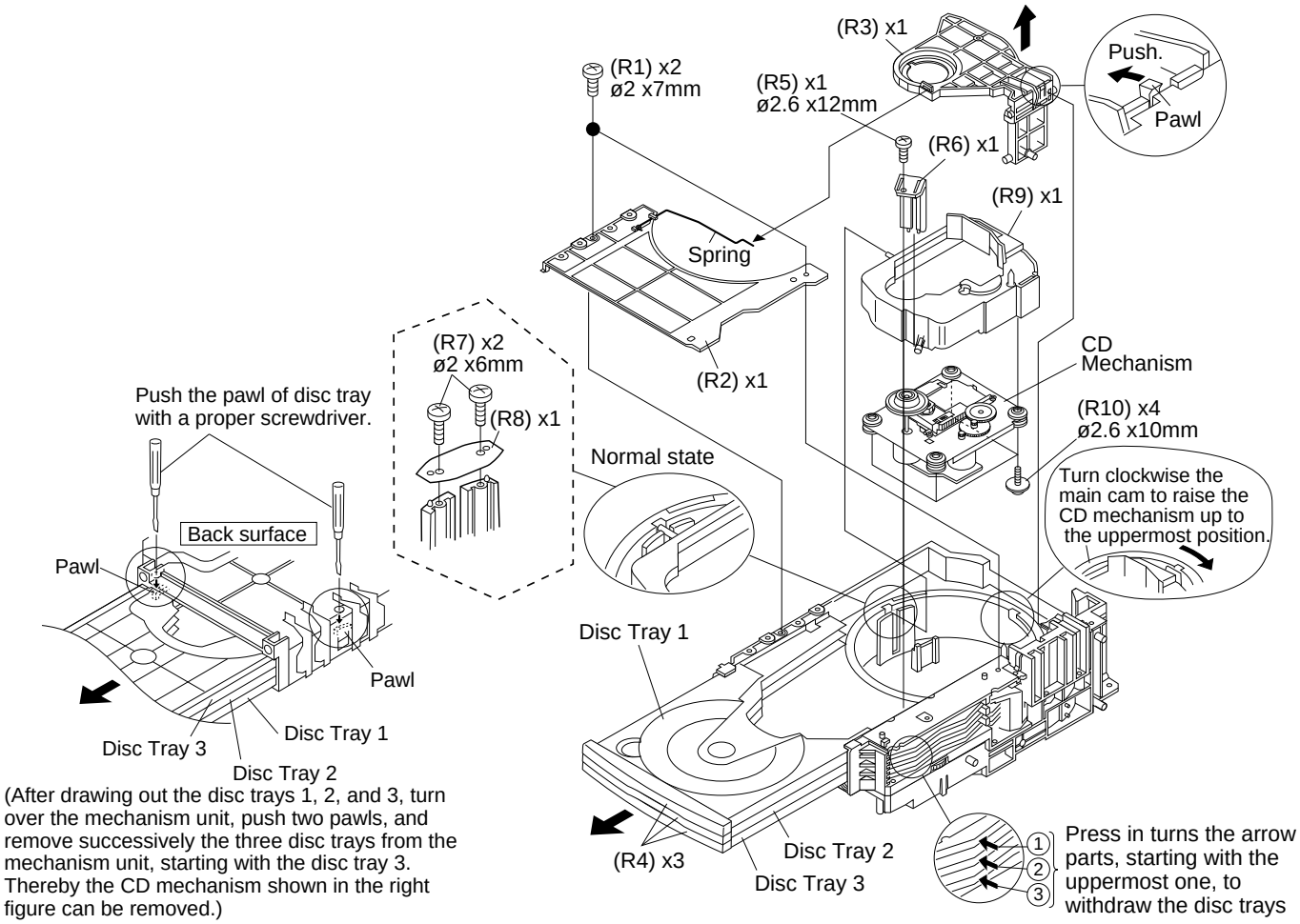


Figure 9-5



(After drawing out the disc trays 1, 2, and 3, turn over the mechanism unit, push two pawls, and remove successively the three disc trays from the mechanism unit, starting with the disc tray 3. Thereby the CD mechanism shown in the right figure can be removed.)

Figure 10-1

CP-C1W

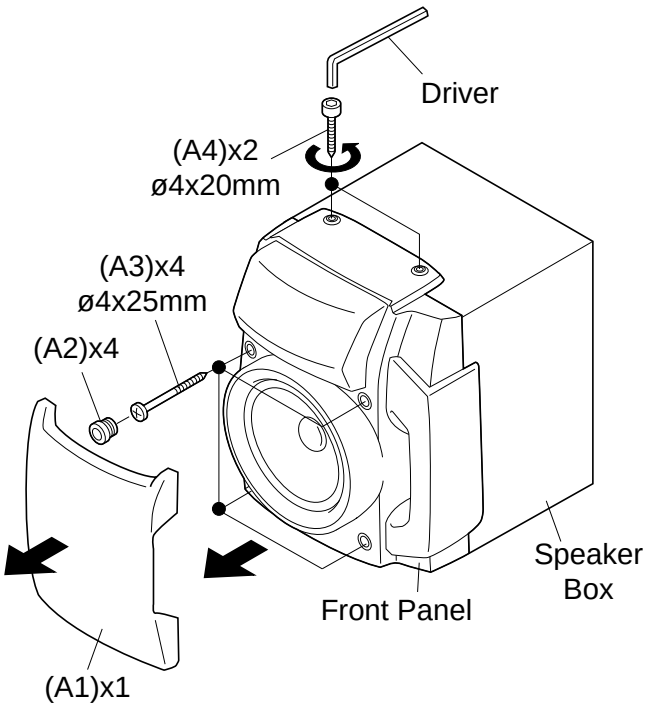


Figure 10-2

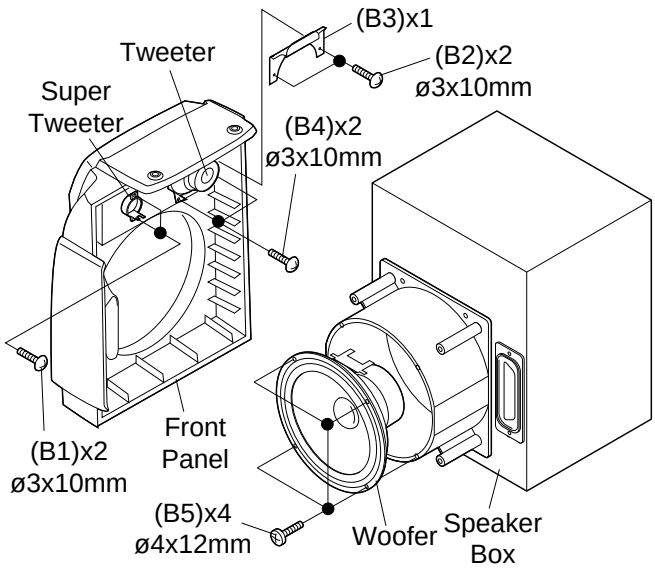


Figure 10-3

REMOVING AND REINSTALLING THE MAIN PARTS

CD MECHANISM SECTION

For the procedure to remove the CD mechanism from the main unit, refer to Disassembling Procedure, Steps 1~10, and 19. (p.8).

How to Remove the optical pickup (See Fig. 11-1.)

1. Remove the screws (A1)x 2 pcs., to remove shaft (A2)x 1 pc.
2. Remove stop washer (A3)x 1 pc., to remove gear (A4)x 1 pc.
3. Remove the optical pickup.

Note:
After disconnecting the optical pickup connector wrap the front end of connector in conductive aluminum foil so as to prevent damage to the optical pickup by static electricity.

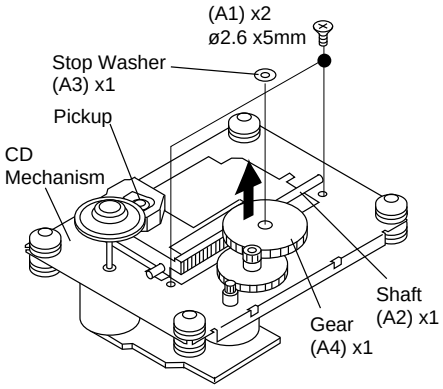


Figure 11-1

How to Remove the tray motor/main cam motor (See Fig. 11-2.)

1. Remove the CD changer section by the method described in page 8, and disassemble as shown in the figure.
2. Remove the belts (B1)x 2 pcs., from the motor side.
3. Remove the screws (B2)x 4 pc.
4. Remove the tray motor and main cam motor.

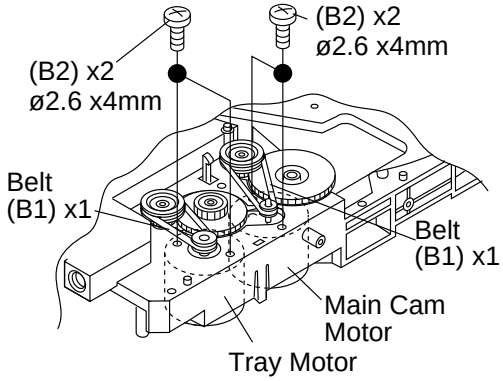
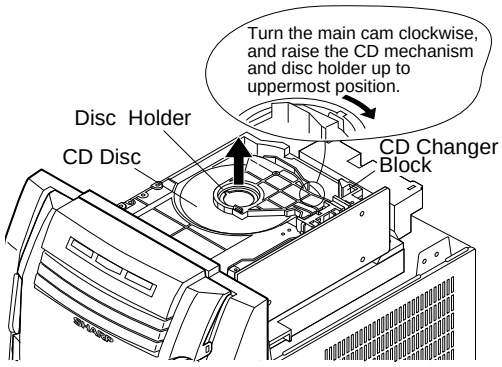


Figure 11-2

How to remove the CD disc (When CD is in playback state) (See Fig. 11-3.)

1. Remove the Top cabinet .
2. Disassemble as shown in the figure so that the CD disc of CD changer becomes visible.
3. Remove the CD disc as shown in the figure.

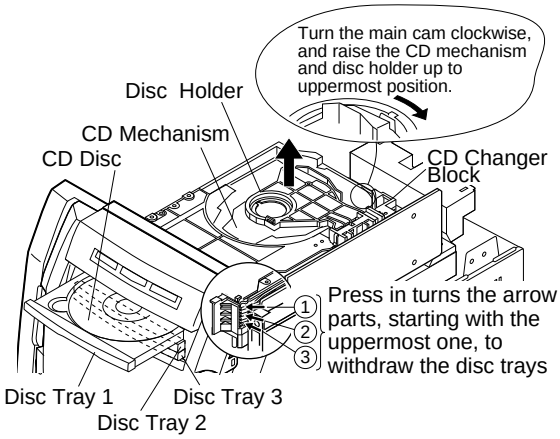

Turn the main cam clockwise, and raise the CD mechanism and disc holder up to uppermost position.
Disc Holder
CD Disc
CD Changer
Block

(When CD is in playback state.)

Figure 11-3

How to remove the CD disc (When CD exists in the tray) (See Fig. 11-4.)

1. Remove the Top cabinet.
2. Disassemble as shown in the figure so that the CD disc of CD changer can be taken out.
3. Remove the CD disc from the tray as shown in the figure.


Turn the main cam clockwise, and raise the CD mechanism and disc holder up to uppermost position.
Disc Holder
CD Mechanism
CD Disc
CD Changer
Block
Press in turns the arrow parts, starting with the uppermost one, to withdraw the disc trays
1
2
3
Disc Tray 1
Disc Tray 3
Disc Tray 2

(When CD exists in the tray)

Figure 11-4

ADJUSTMENT

MECHANISM SECTION

• Driving Force Check

Torque Meter	Specified Value
Play: TW-2412	Tape 1: Over 80 g Tape 2: Over 80 g

• Torque Check

Torque Meter	Specified Value	
	Tape 1	Tape 2
Play: TW-2111	30 to 60 g. cm	30 to 60 g.cm
Fast forward: TW-2231	60 to 120 g.cm	60 to 120 g.cm
Rewind: TW-2231	60 to 120 g.cm	60 to 120 g.cm

• Tape Speed

	Test Tape	Adjusting Point	Specified Value	Instrument Connection
Normal speed	MTT-111	VRM01	3,000 ± 30 Hz	Speaker terminal

TAPE SECTION

Position of each switch or control	
Volume	MAX
3D Surround Mode Button	PASS
Pre-programmed Equalizer	FLAT
Extra Bass	OFF
Function	TAPE
Dolby NR switch	OFF
X-Bass	OFF

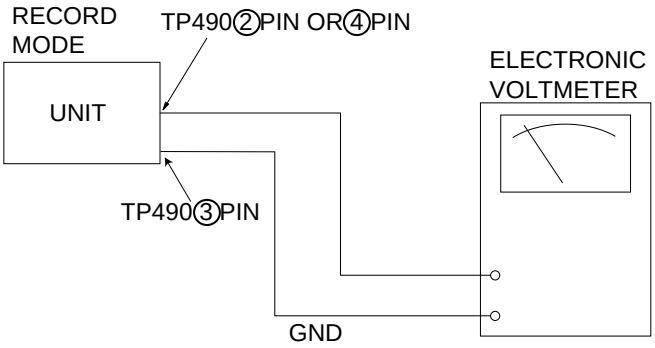


Figure 12-1 BIAS CURRENT

• Bias Frequency

Adjusting Point	Specified Value	Instrument Connection
—	98 ± 10 kHz	CNP102 ①

• Bias Current

Adjusting Point	Specified Value	Instrument Connection
L: VR101 R: VR102	Normal: 45 ± 10 mV CrO2: 65 ± 15 mV	L: TP490 ④ R: TP490 ②

• Tape 1 Playback Amplifier Sensitivity

Test Tape	Adjusting Point	Specified Value	Instrument Connection
MTT-150	L: VRD01 R: VRD02	Normal: 300 mV	L: TP451 ③ R: TP451 ①

• Tape 2 Playback Amplifier Sensitivity

Test Tape	Adjusting Point	Specified Value	Instrument Connection
MTT-150	L: VRD03 R: VRD04	Normal: 300 mV	L: TP451 ③ R: TP451 ①

• Record/Playback Sensitivity

Test Tape	Adjusting Point	Specified Value	Instrument Connection
UR-127	Record level control	215 mV	Input: VIDEO Ouyput: L: TP451 ③ R: TP451 ①
	L: VR151 R: VR152	215 mV	

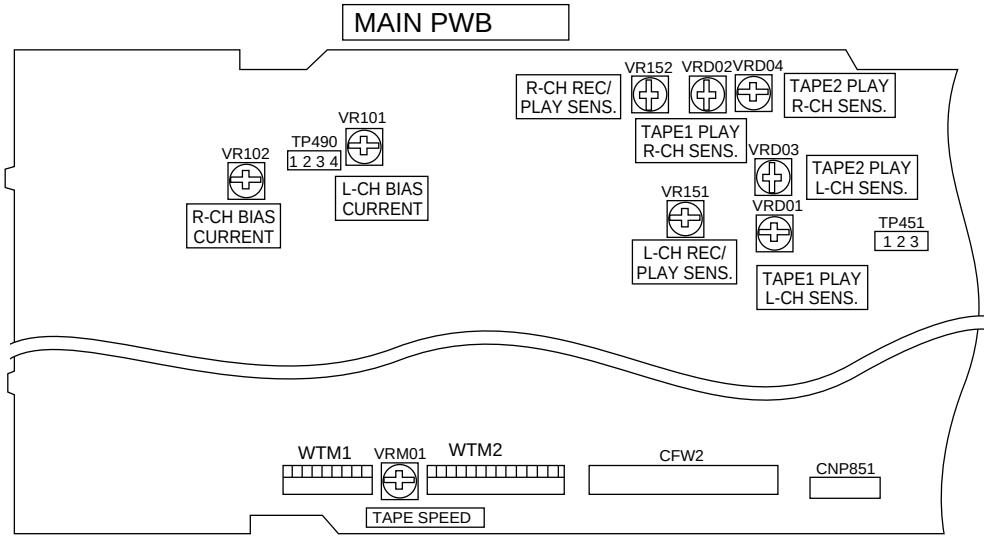


Figure 12-2 ADJUSTMENT POINTS

TUNER SECTION

fL: Low-range frequency
fH: High-renge frequency

• AM IF/RF

Signal generator: 400 Hz, 30%, AM modulated

Test Stage	Frequency	Frequency Display	Setting/ Adjusting Parts	Instrument Connection
IF	450 kHz	1,602 kHz	T351	*1
MW Band Coverage	—	531 kHz	(fL): T306 1.1 ± 0.1 V	*2
SW1 Band Coverage	—	3.2 MHz	(fL): T307 2.0 ± 0.1V	*2
SW1 Band Coverage	—	7.3 MHz	(fH): TC305 7.7 ± 0.2 V	*2
SW2 Band Coverage	—	9.5 MHz	(fL): T308 2.1 ± 0.1V	*2
SW2 Band Coverage	—	21.85 MHz	(fH): TC304 7.7 ± 0.2V	*2
MW Tracking	990 kHz	990 kHz	T302	*1
SW1 Tracking	3.9 MHz	3.9 MHz	(fL): T303	*1
SW1 Tracking	7.1 MHz	7.1 MHz	(fH): TC303	*1
SW2 Tracking	11.65 MHz	11.65 MHz	(fL): T304	*1
SW2 Tracking	21.45 MHz	21.45 MHz	(fH): TC302	*1

*1. Input: Antenna, Output: TP302
*2. Input: Anetnna, Output: TP301

• FM RF

Signal generator: 1 kHz, 40 kHz dev, FM modulated

Test Stage	Frequency	Frequency Display	Setting/ Adjusting Parts	Instrument Connection
Band Coverage	—	87.5 kHz	(fL): LT02 3.7 ± 0.1 V	*1
RF	98 MHz 10 - 30 dB	98 MHz	LT01	*2

*1. Input: Antenna, Output: TP301
*2. Input: Anetnna, Output: Speaker Terminal

• Setting the Test Mode

Keeping the PAUSE button and TUNER button pressed, turn on POWER. Then, the frequency is initially set in the memory as shown in Table. Call it with the PRESET button to use it for adjustment and check of tuner circuit.

Preset No.	FM	Preset No.	MW	Preset No.	SW1	Preset No.	SW2
1	87.50 MHz	6	531 kHz	11	3.2 MHz	16	9.5 MHz
2	108.00 MHz	7	1,602 kHz	12	7.3 MHz	17	21.85MHz
3	90.00 MHz	8	603 kHz	13	3.9 MHz	18	11.65 MHz
4	106.00 MHz	9	1,404 kHz	14	7.1 MHz	19	21.45 MHz
5	98.00 MHz	10	990 kHz	15	5.06 MHz	20	15.1 MHz
21 ~ 40	————						

• FM Detection

Signal generator: 10.7 MHz, FM sweep

Test Stage	Frequency	Frequency Display	Setting/ Adjusting Parts	Instrument Connection
IF	10.7 MHz	98 MHz	TT01 (Turn the core of transformer TT01 fully counter-clock wise)	*1

*1. Input: Antenna, Output: TP301
*2. Input: Anetnna, Output: Speaker Terminal

• FM Mute Level

Signal generator: 1kHz, 40 kHz dev., FM modulated

Frequency	Frequency Display	Adjusting Parts	Instrument Connection
98.00 MHz (25 dBμV)	98.00 MHz	VR351 *1	Input: Antenna Output: Speaker Terminal

*1. Adjust so that an output signal appears.

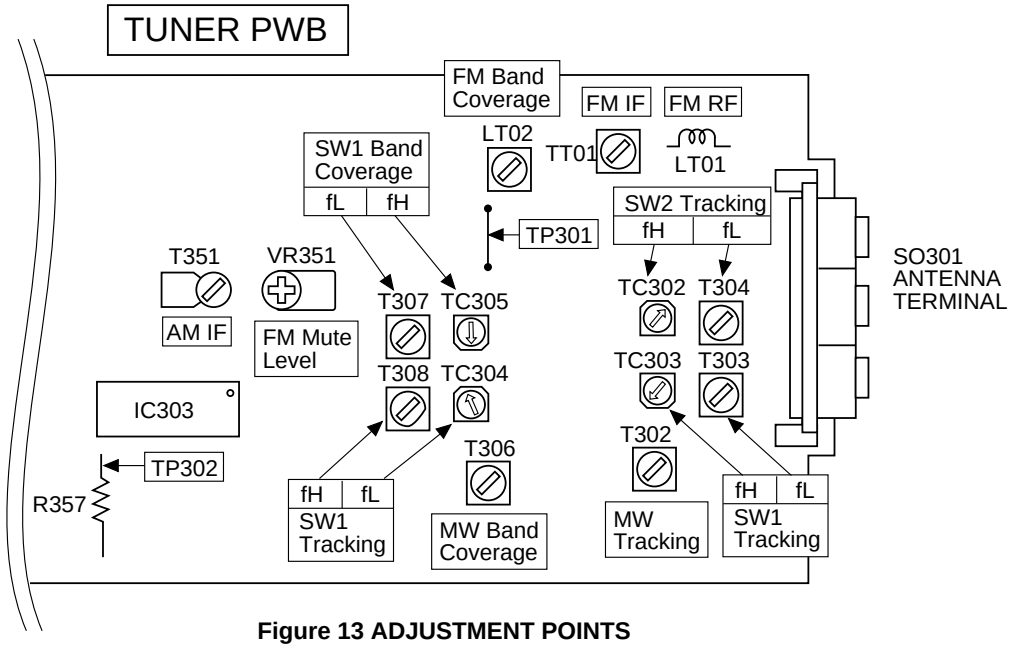


Figure 13 ADJUSTMENT POINTS

CD-C1W,CP-C1W

TEST MODE

• Setting the test mode

Any one of test mode can be set by pressing several keys as follows.
Hold down the EQ and CD buttons, and press the POWER switch. TEST: CD operation test

• TEST mode

Function — CD test mode

Setting of TEST mode
Indication of CD TEST mode (Fig. 14-1)
OPEN/CLOSE operation is manual operation.
The pickup can be moved by using the (▶▶) or (◀◀) key.
IL is not performed.

<MEMORY> key input — When the tracking servo is activated, playback will begin at the current position. — Press the STOP button. — The pickup will return to the STOP position. — <MEMORY> key input — When the tracking servo is activated, playback will begin at the current position. — <STOP> key input — The pickup normally returns to the STOP position.

<PLAY> key input — TOC. IL is performed, and the ordinary PLAY is performed. — Press <STOP> key. — Stop

If the following key is pressed during PLAY, it is possible to specify directly any Track No.
<Disc Number 1> key: Track 4
<Disc Number 2> key: Track 9
<Disc Number 3> key: Track 15

Note:

Only in STOP state it is possible to slide the pickup with the (▶▶) or (◀◀) key.
VOL. --- Last memory
BAL. --- CENTER
R.GEQ. --- FLAT
X-BAS --- OFF
Canceling method - POWER OFF

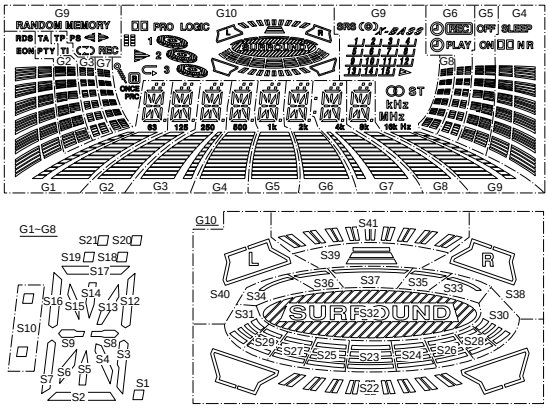


Figure 14 -1

CD SECTION

Since this CD system incorporates the following automatic adjustment function, when the pickup is replaced, it is not necessary to readjust it.
Since this CD unit does not need adjustment, the combination of PWB and laser pickup unit is not restricted.

• Automatic adjustment item

1. Focus offset (Fig. 14-2)
2. Tracking offset (Fig. 14-3)
3. E/F balance (tracking error balance) (Fig. 14-4)
4. RF level AGC function (HF level: constant)
5. RF level automatic follow-up of the tracking gain

This automatic adjustment is performed each time a disc is changed. Therefore, each disc is played back using the optimal settings.

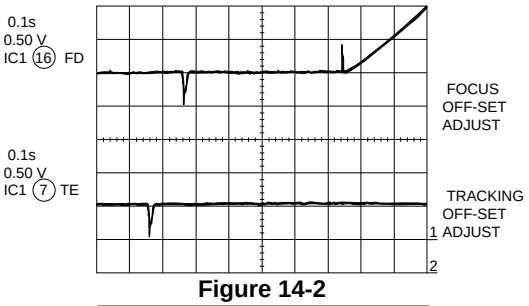


Figure 14-2

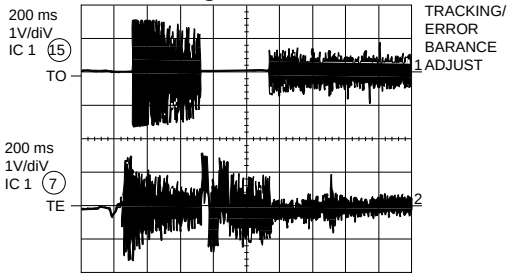


Figure 14-4

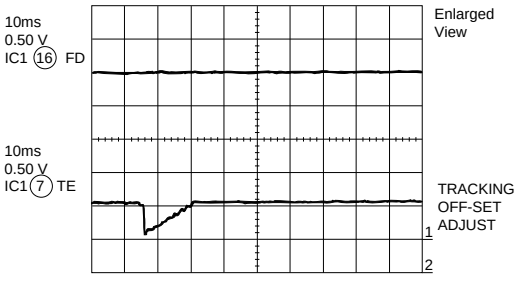


Figure 14-3

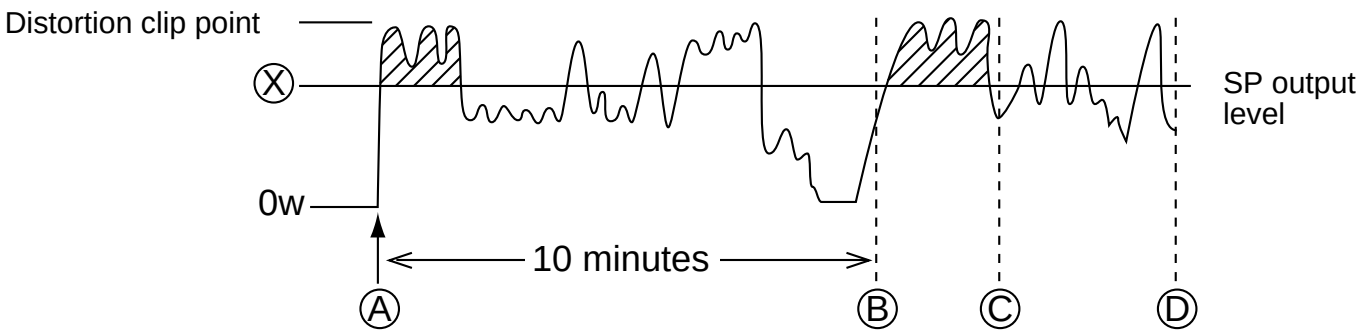
EXPLANATION OF AUTOMATIC SOUND VALUE CORRECTION CONTROL

1. Outline

The recent trend is toward rise of CD record level in the world, for example rock, dancing music, etc. In case of continuous high level playback G-EQ (graphic equalizer) and VOL (Volume) are controlled (lowered) automatically after a lapse of specific time (10 minutes) so as to get the easy-to-listen sound level.

2. Explanation of operation

The CD playback operation is explained below.



Ⓧ : Threshold value of control circuit operation
Ⓐ : Hight energy (hatched area) exceeding Ⓧ is detecated, and the control mode is set.
Ⓑ : After a lapse of 10 minutes the control is started.

Ⓑ ~ Ⓒ :

Data is fetched every 4 seconds to control.

Initial frequency characteristics.

Hand L frequency characteristics are lowered.

VOL (Volume) is lowered.

At first, the H and L frequency characteristics are lowered as shown above so thet the distortion and disturbance are reduced. However, if hight energy exceeding Ⓧ is detected, VOL is lowered to get sound easy to listen.

Ⓒ ~ Ⓓ :

Stable control
Continued control

The output data is fetched every 4 seconds to control. When quiet music is played back, the control is performed so as to restore the initial frequency characteristics and initial VOL values.

Control mode cancel conditions

- When output exceeding Ⓧ is not given continuously for 10 minutes.
  - When quiet music is played back.
  - When VOL is lowered.
- When the power is turned off or on.

NOTES ON SCHEMATIC DIAGRAM

- Resistor:
  To differentiate the units of resistors, such symbol as K and M are used: the symbol K means 1000 ohm and the symbol M means 1000 kohm and the resistor without any symbol is ohm-type resistor. Besides, the one with “Fusible” is a fuse type.
- Capacitor:
  To indicate the unit of capacitor, a symbol P is used: this symbol P means micro-micro-farad and the unit of the capacitor without such a symbol is microfarad. As to electrolytic capacitor, the expression “capacitance/withstand voltage” is used.
  (CH), (TH), (RH), (UJ): Temperature compensation
  (ML): Mylar type
  (P.P.): Polypropylene type
- Schematic diagram and Wiring Side of P.W.Board for this model are subject to change for improvement without prior notice.
- The indicated voltage in each section is the one measured by Digital Multimeter between such a section and the chassis with no signal given.
  1. In the tuner section,
     ( ) indicates AM
     < > indicates FM stereo
  2. In the main section, a tape is being played back.
  3. In the deck section, a tape is being played back.
     ( ) indicates the record state.
  4. In the power section, a tape is being played back.
  5. In the CD section, the CD is stopped.
- Parts marked with “ ⚠ ” (⊏ ⚌ ⚌ ⚌ ⊐) are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

REF. NO	DESCRIPTION	POSITION
SW202	SPAN SELECTOR	50/9
SW701	VOLUME UP/DOWN	OFF
SW702	JOG DIAL	OFF
SW702A	PICKUP IN	OFF
SW703	X-BASS	OFF
SW704	EQUALIZER/DEMO	OFF
SW705	SRS MODE	OFF
SW706	SRS PASS	OFF
SW707	FF	OFF
SW708	STOP	OFF
SW709	EDIT NORMAL	OFF
SW710	EDIT HIGH	OFF
SW711	RECORD/PAUSE	OFF
SW712	FORWARD PLAY	OFF
SW713	DOLBY-NR	OFF
SW717	REWIND	OFF
SW718	CD PAUSE	OFF
SW719	REVERSE PLAY	OFF
SW720	REVERSE MODE	OFF
SW721	CLOCK	OFF
SW722	TIMER	OFF
SW723	SLEEP	OFF
SW724	VIDEO/AUX	OFF
SW725	TAPE 1/2	OFF

REF. NO	DESCRIPTION	POSITION
SW726	TUNER (BAND)	OFF
SW727	CD	OFF
SW732	CLEAR	OFF
SW733	MEMORY/SET	OFF
SW734	POWER ON/STAND-BY	OFF
SW739	DISC 3 OPEN/CLOSE	OFF
SW740	DISC 3	OFF
SW741	DISC 2 OPEN/CLOSE	OFF
SW742	DISC 2	OFF
SW743	DISC 1 OPEN/CLOSE	OFF
SW744	DISC 1	OFF
SW851	VOLTAGE SELECTOR	230V-240V
SWB101,102	CAM1, 2	OFF
SWB103,104	CAM3, 4	OFF
SWB105	CD EJECT	OFF
SWB107	CD IN	OFF
SWB108	CD SET	OFF
SWE1	TAPE 2 SIDE A FP	OFF
SWE2	TAPE 2 PLAY	OFF
SWE3	TAPE 2 SIDE B FP	OFF
SWE4	TAPE 2 CrO_2	OFF
SWE7	TAPE 1 CrO_2	OFF
SWE9	TAPE 1 PLAY	OFF

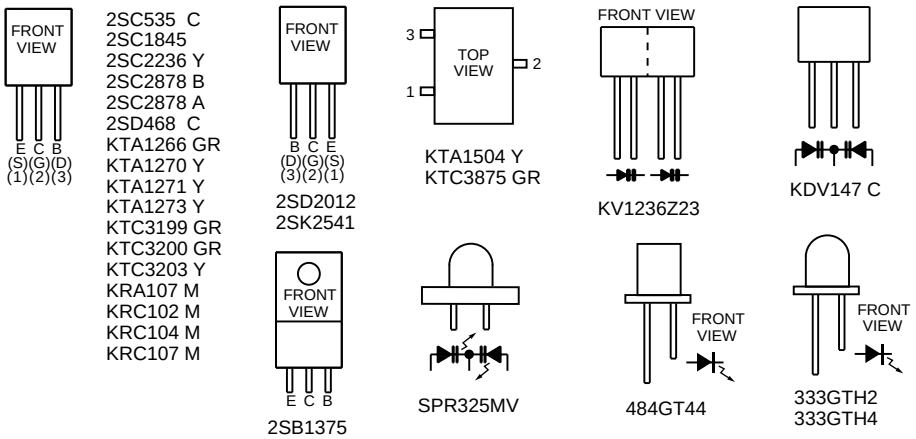


Figure 16 TYPES OF TRANSISTOR AND LED

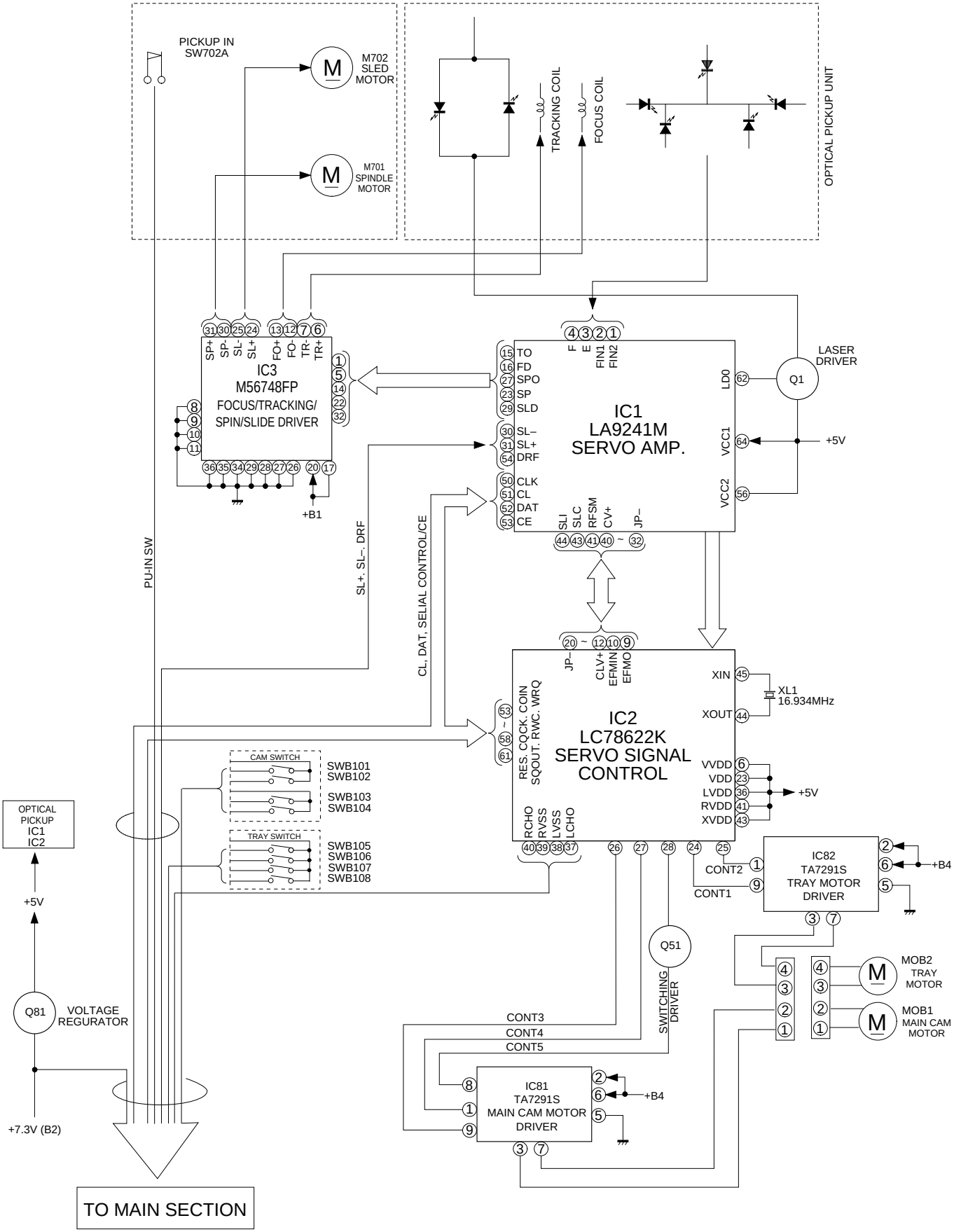


Figure 17 BLOCK DIAGRAM (1/3)

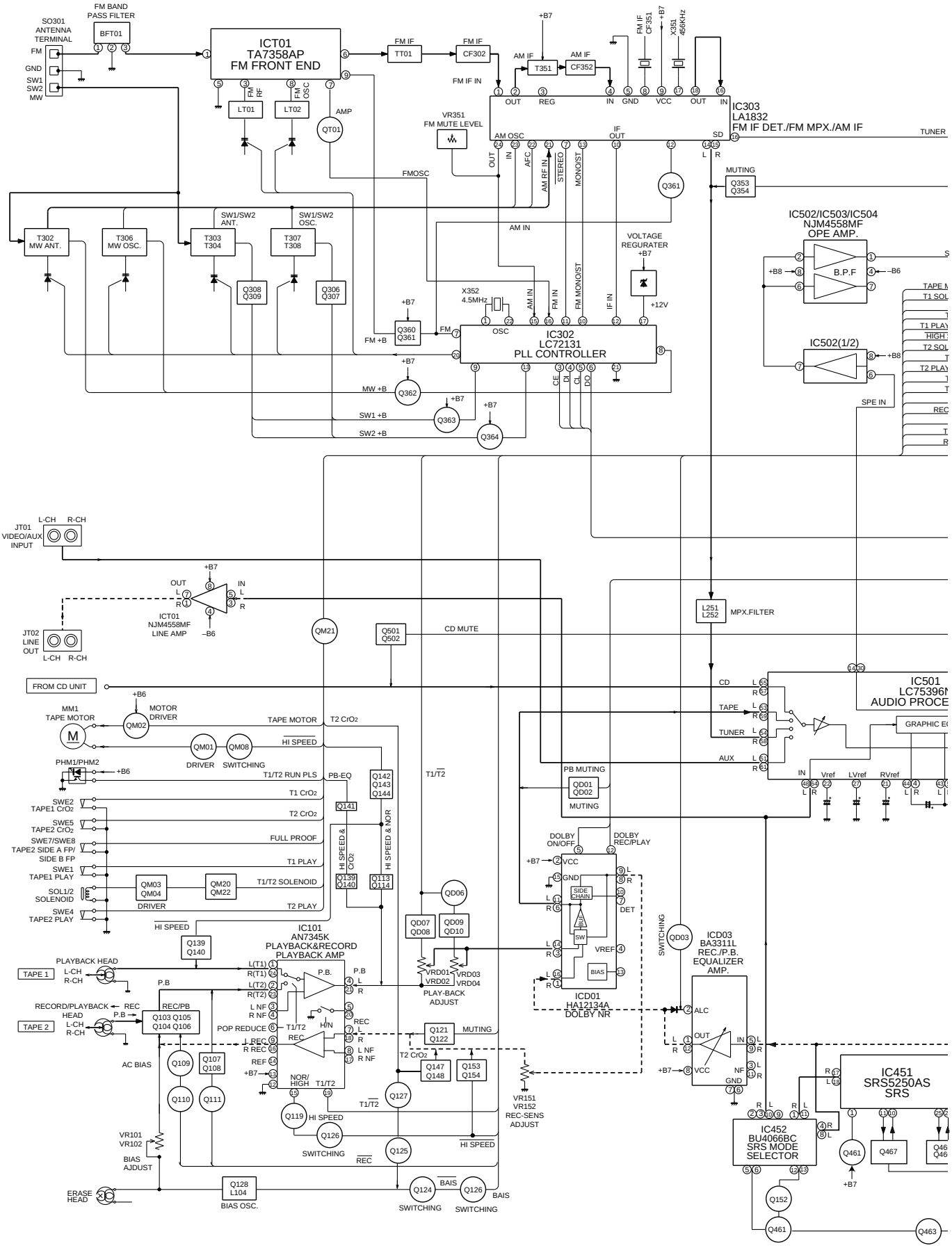


Figure 18 BLOCK DIAGRAM (2/3)

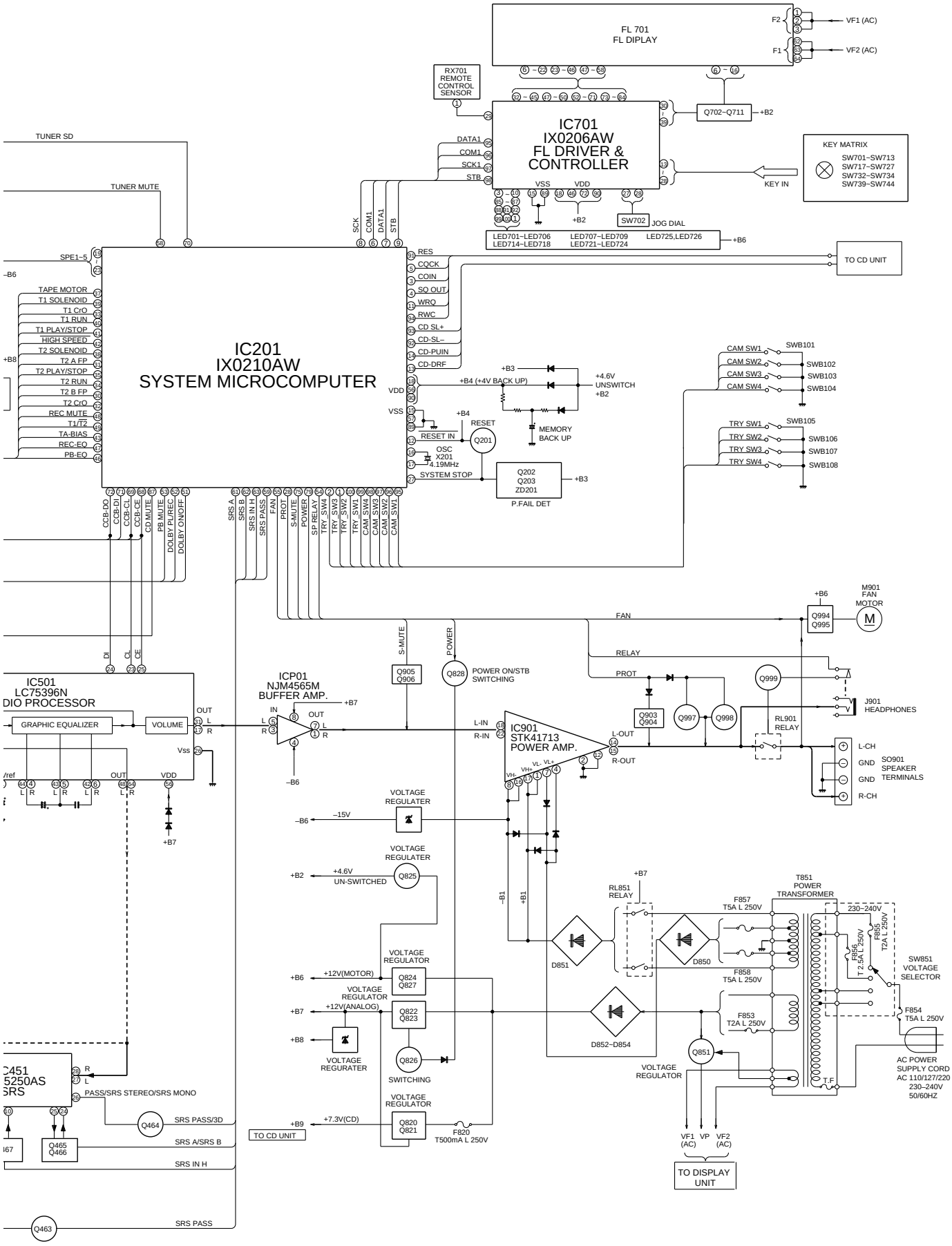


Figure 19 BLOCK DIAGRAM (3/3)

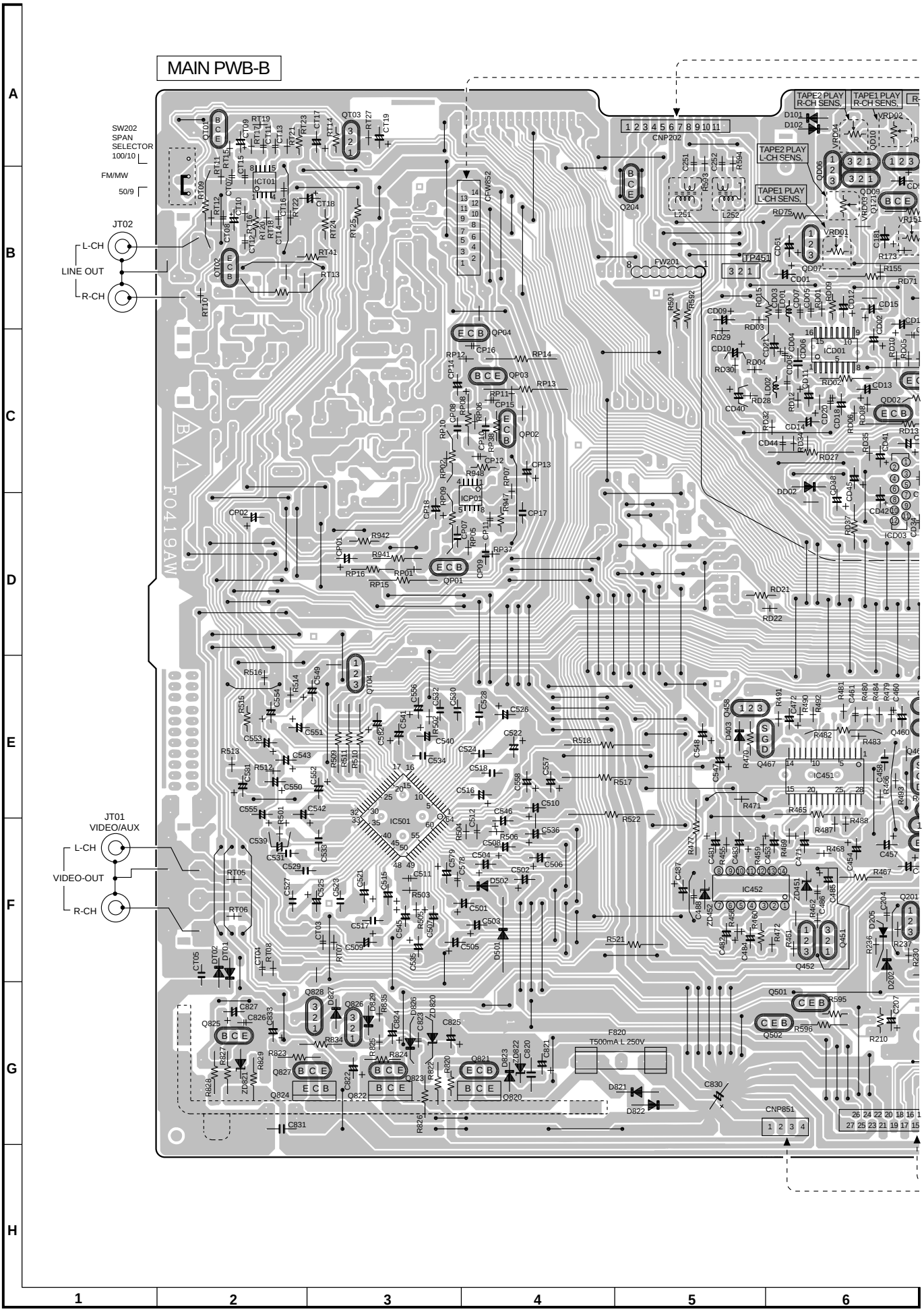
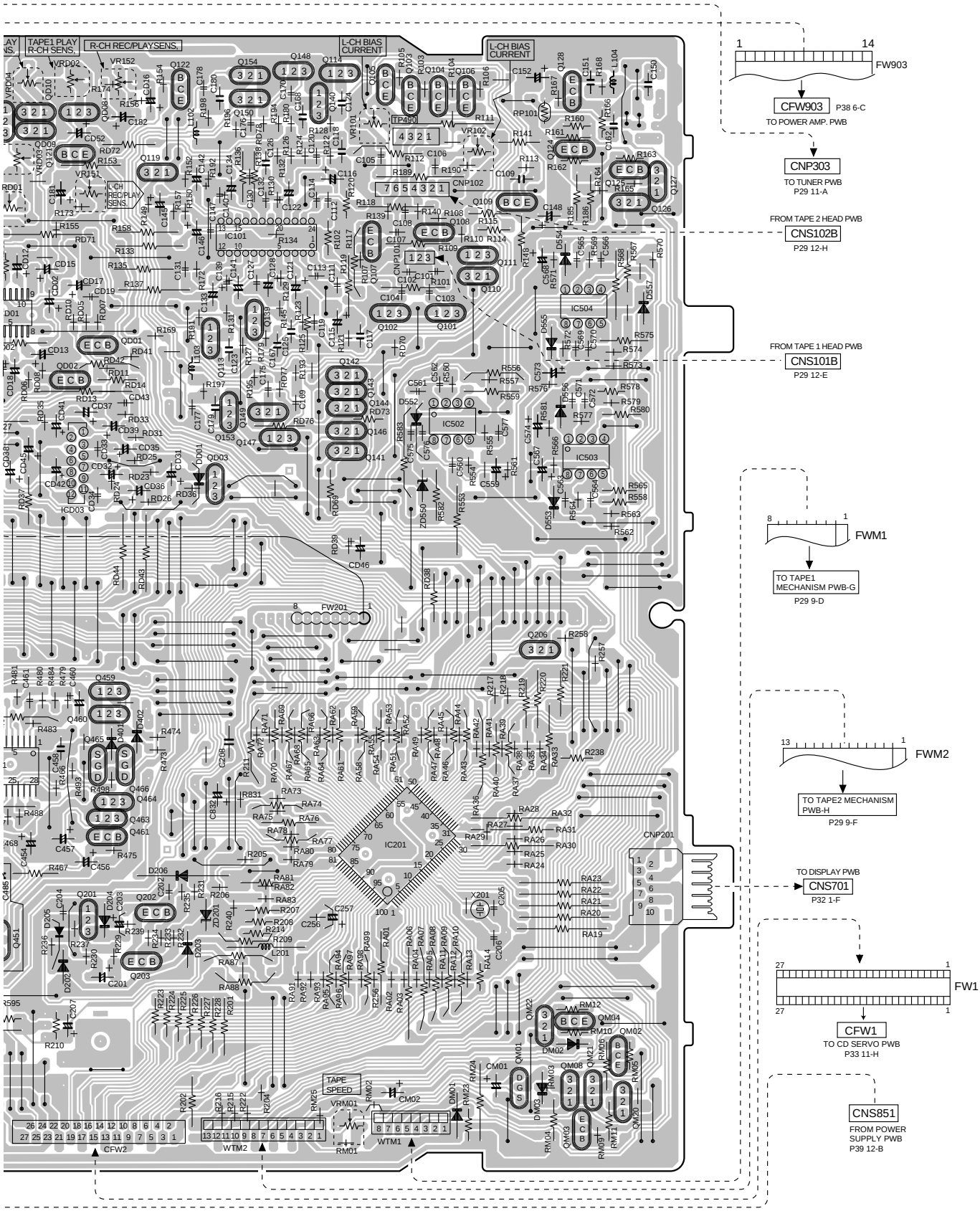


Figure 20 WIRING OF P.W.BOARD (1/7)



7	8	9	10	11	12

Figure 21 WIRING OF P.W.BOARD (2/7)

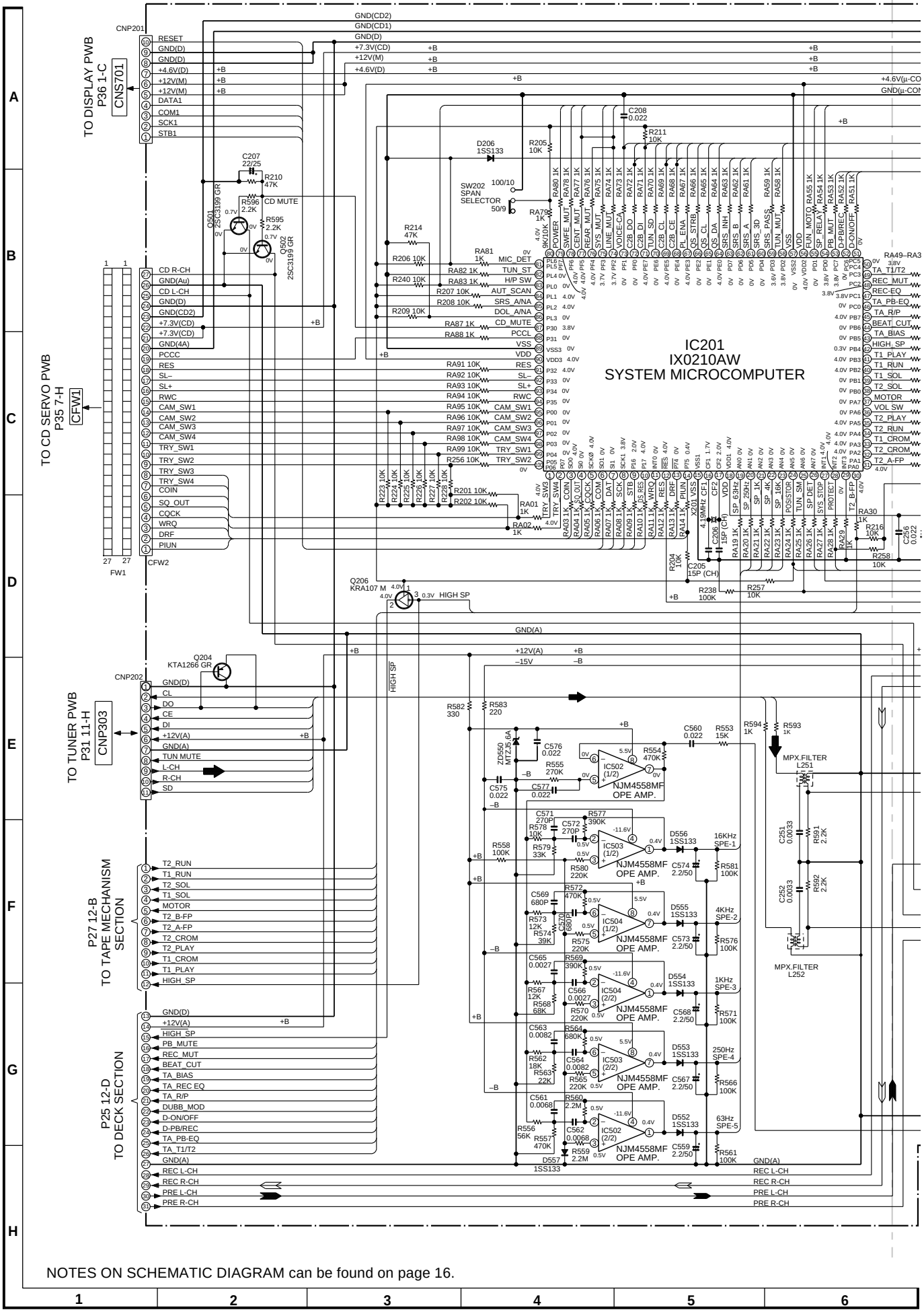
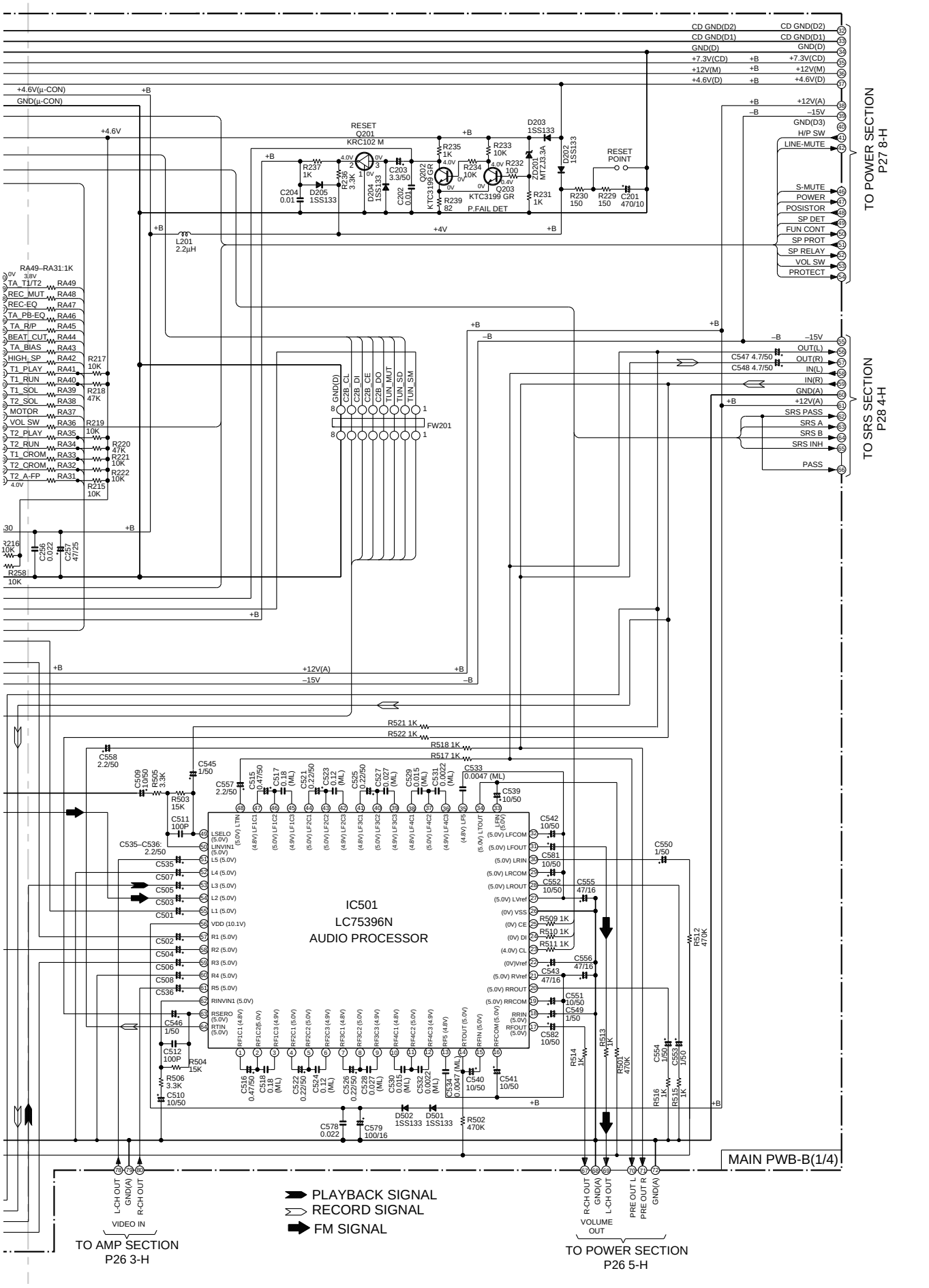
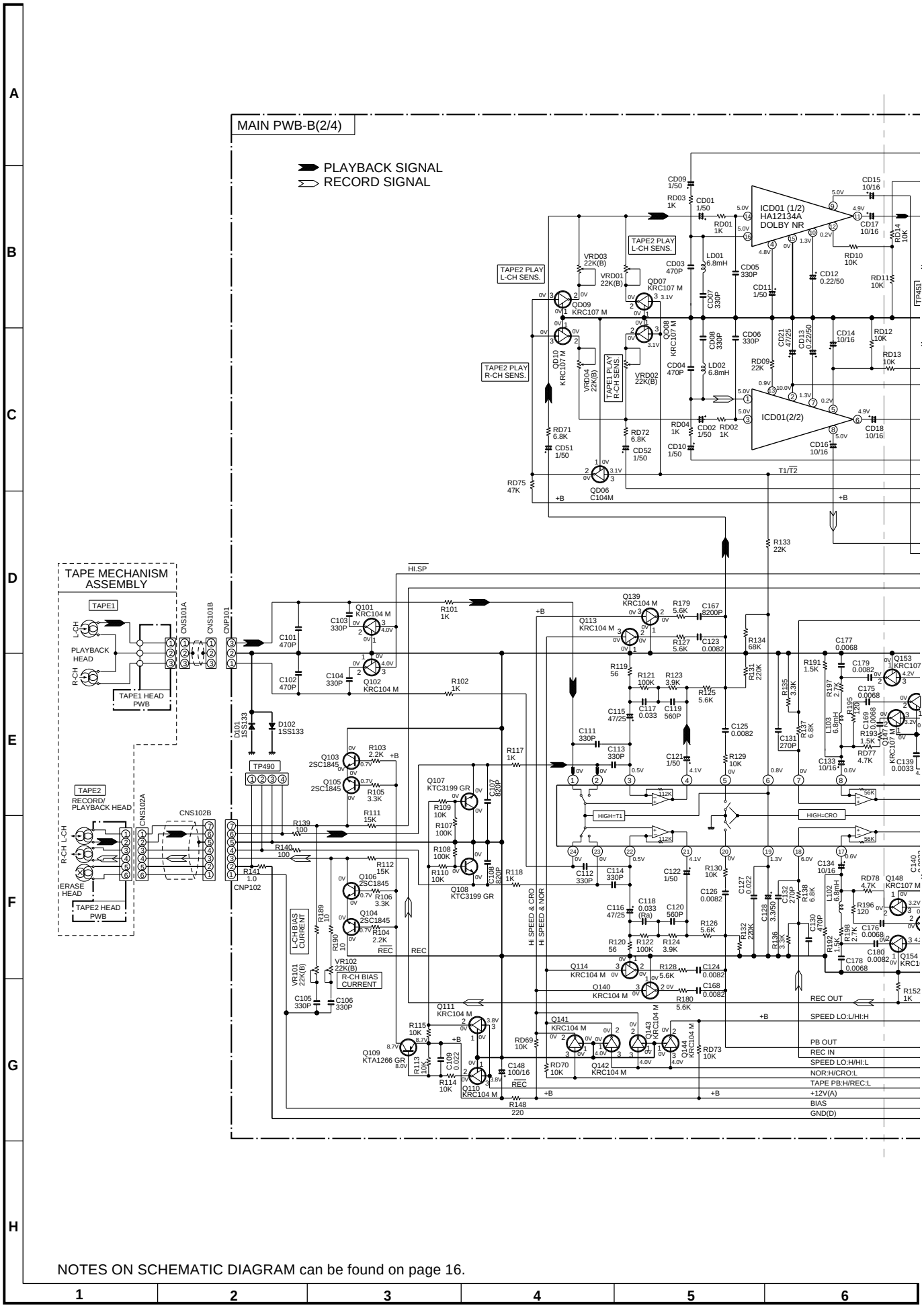


Figure 22 SCHEMATIC DIAGRAM (1/15)



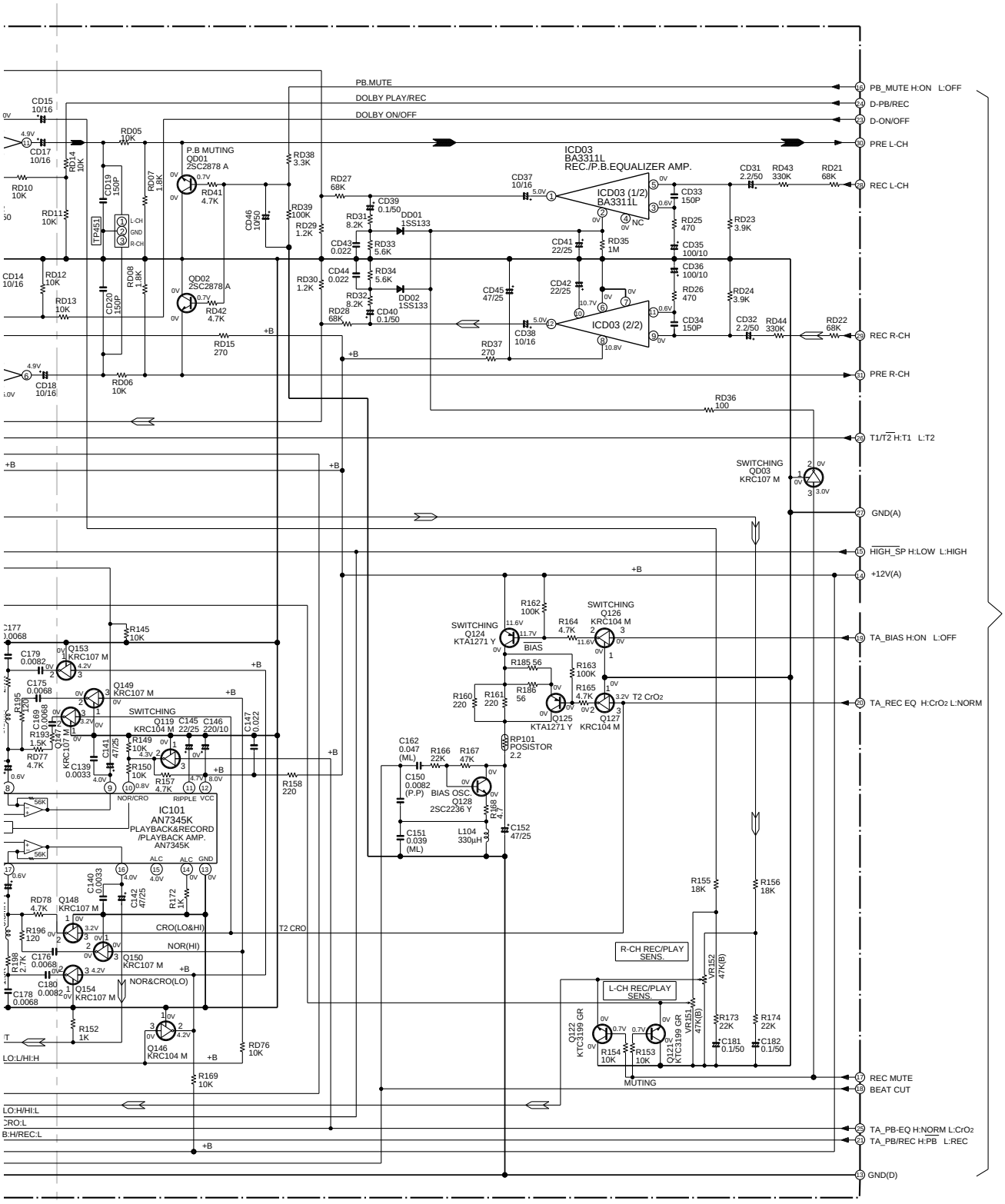
7	8	9	10	11	12

Figure 23 SCHEMATIC DIAGRAM (2/15)



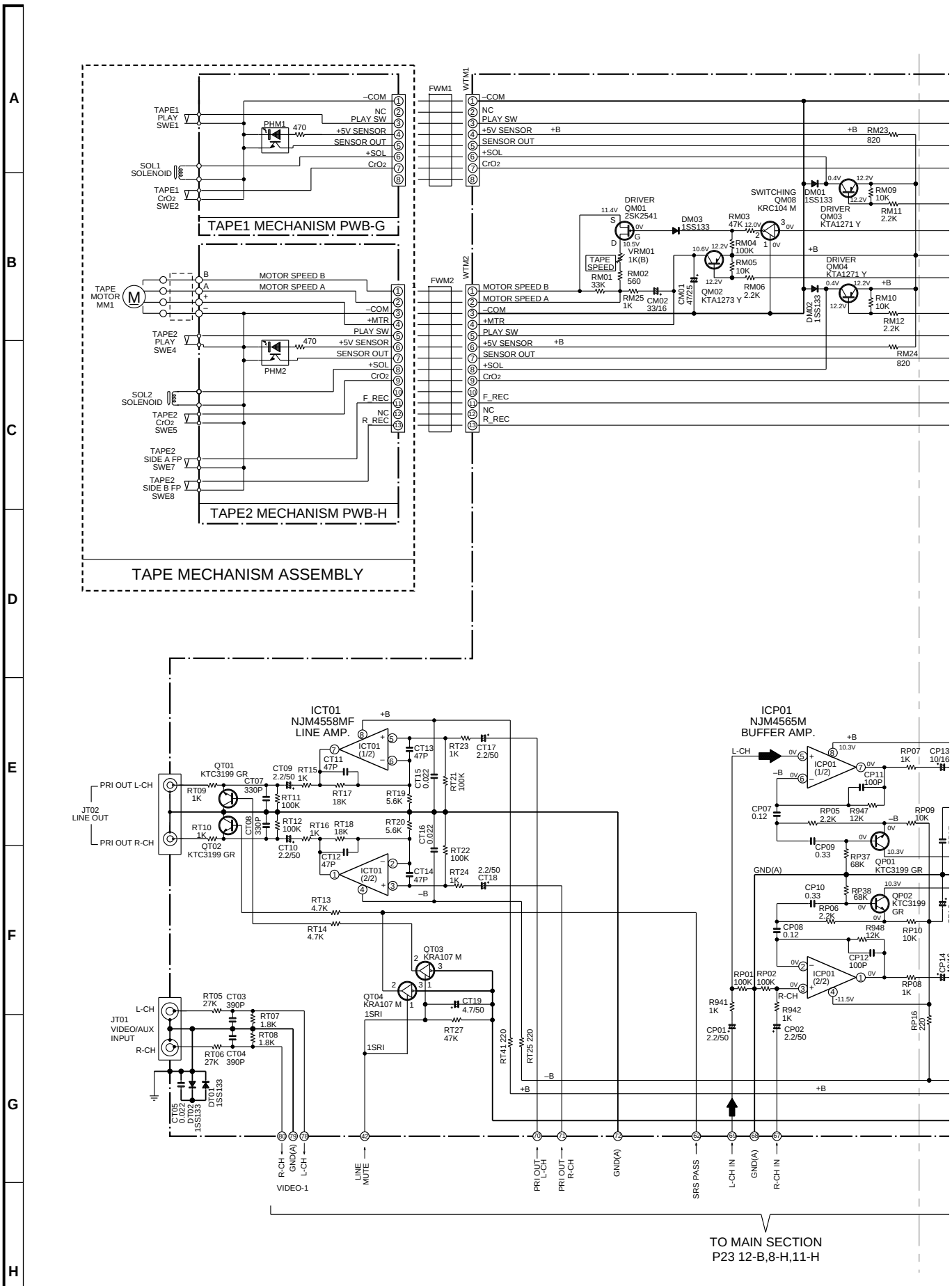
NOTES ON SCHEMATIC DIAGRAM can be found on page 16.

Figure 24 SCHEMATIC DIAGRAM (3/15)



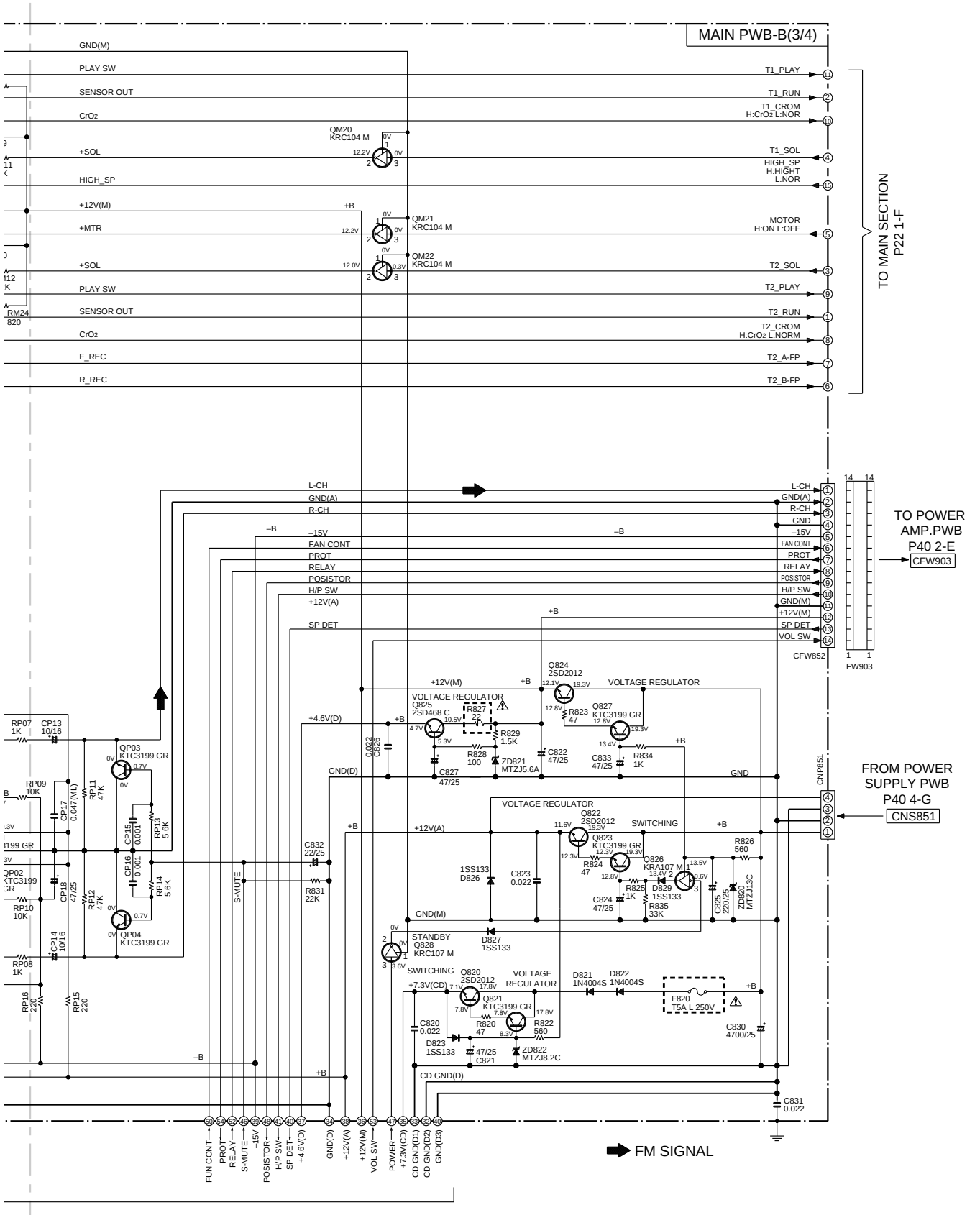
7	8	9	10	11	12

Figure 25 SCHEMATIC DIAGRAM (4/15)



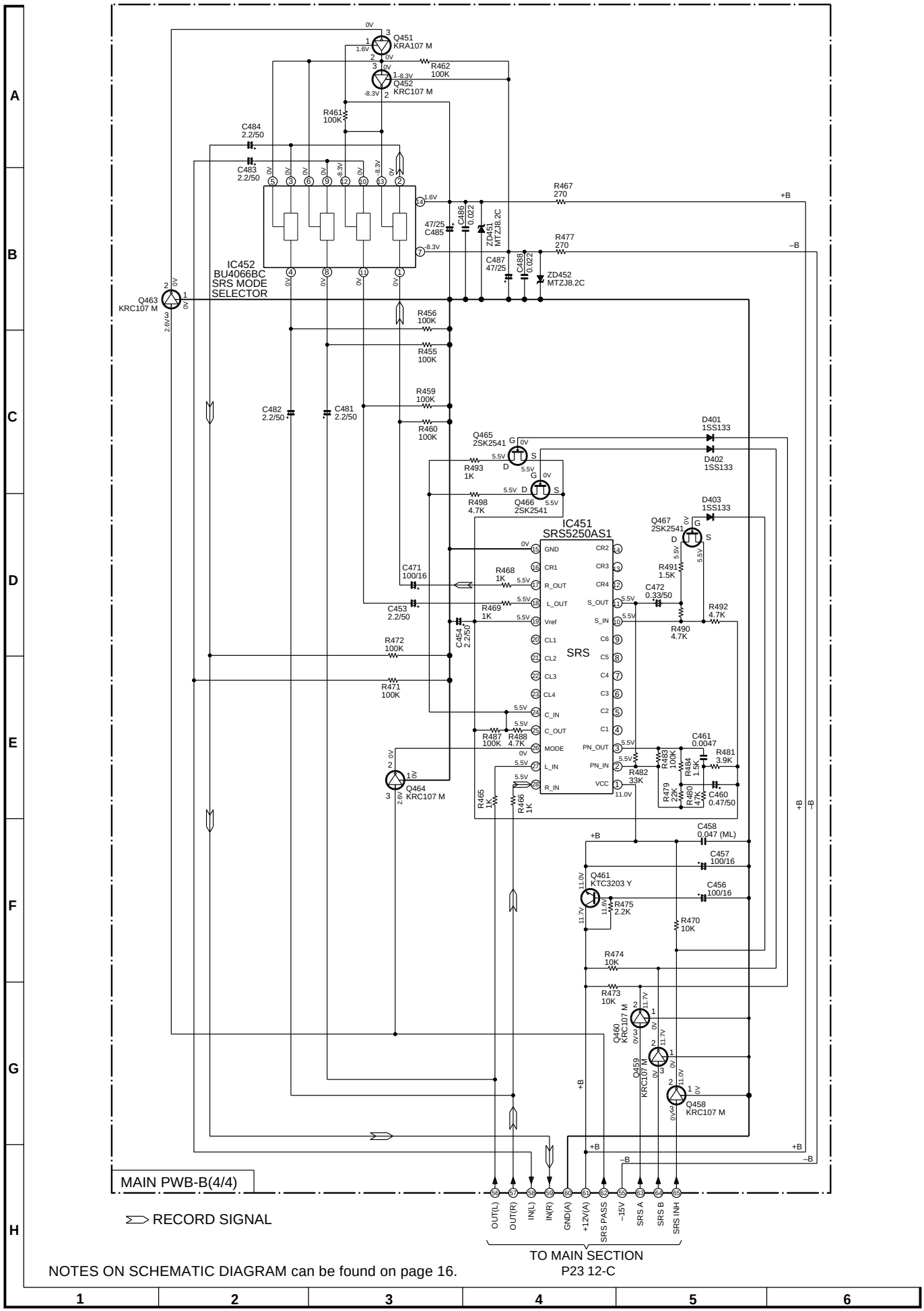
NOTES ON SCHEMATIC DIAGRAM can be found on page 16.

Figure 26 SCHEMATIC DIAGRAM (5/15)



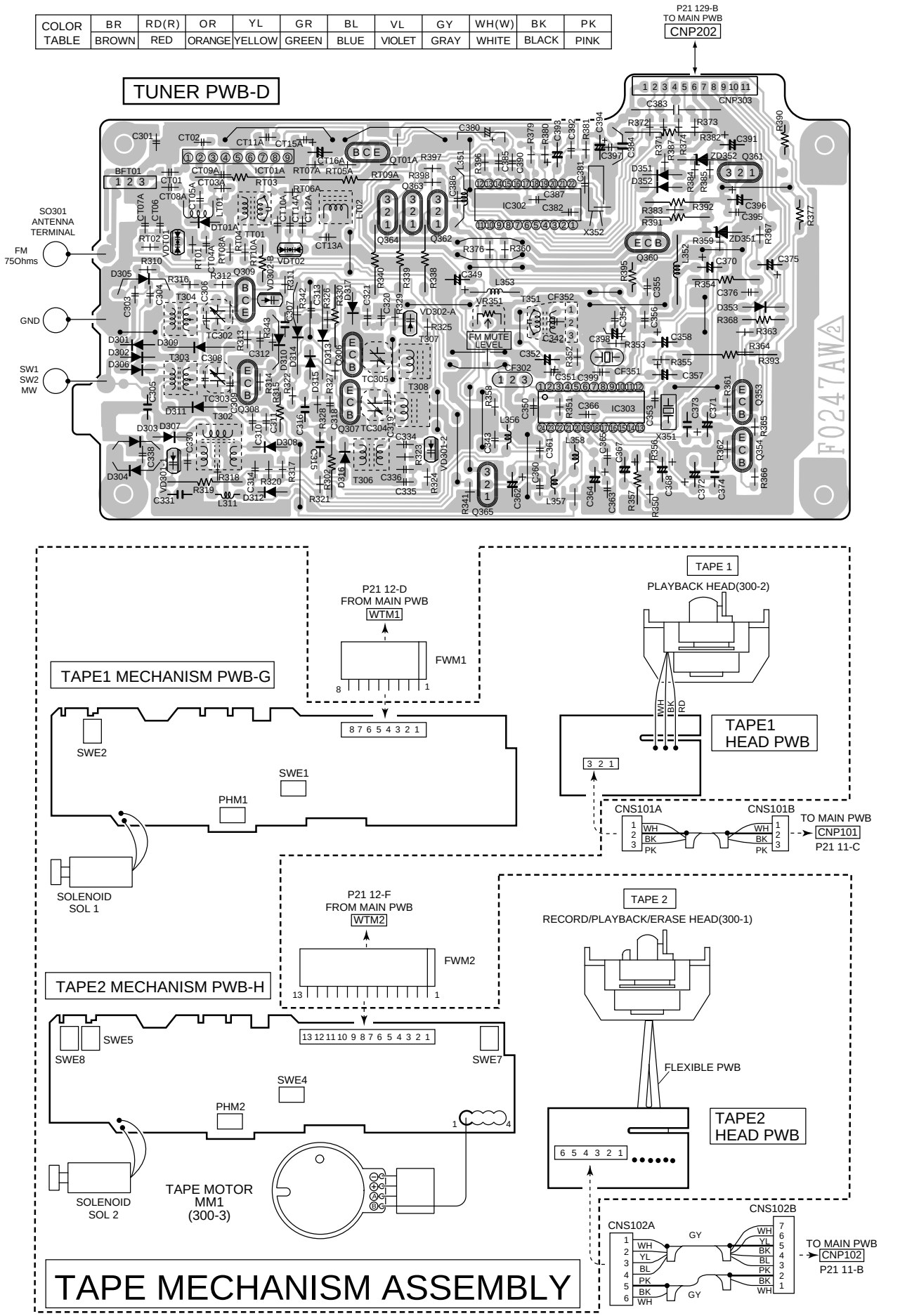
7	8	9	10	11	12

Figure 27 SCHEMATIC DIAGRAM (6/15)



NOTES ON SCHEMATIC DIAGRAM can be found on page 16.

Figure 28 SCHEMATIC DIAGRAM (7/15)



7	8	9	10	11	12

Figure 29 WIRING OF P.W.BOARD (3/7)

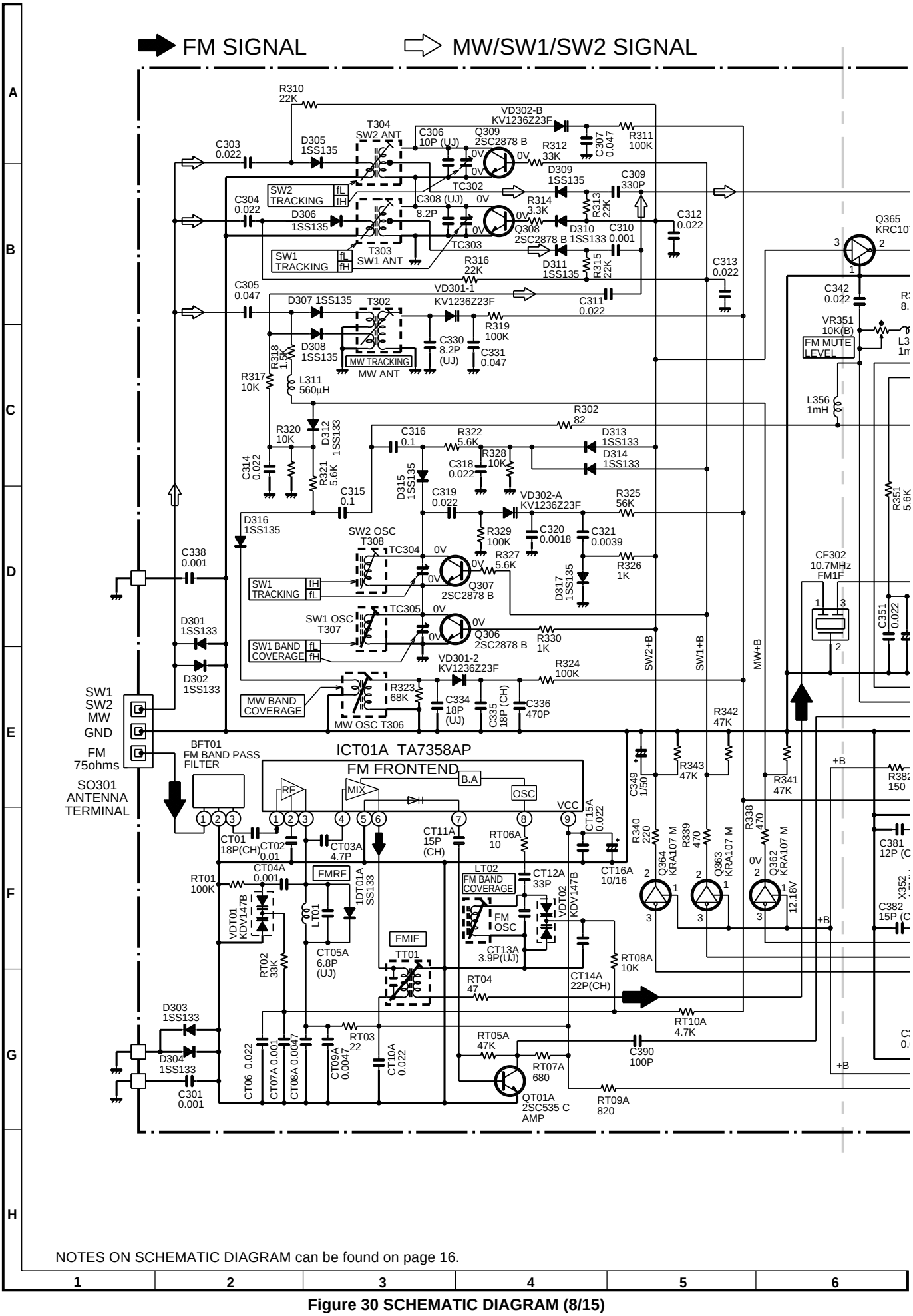
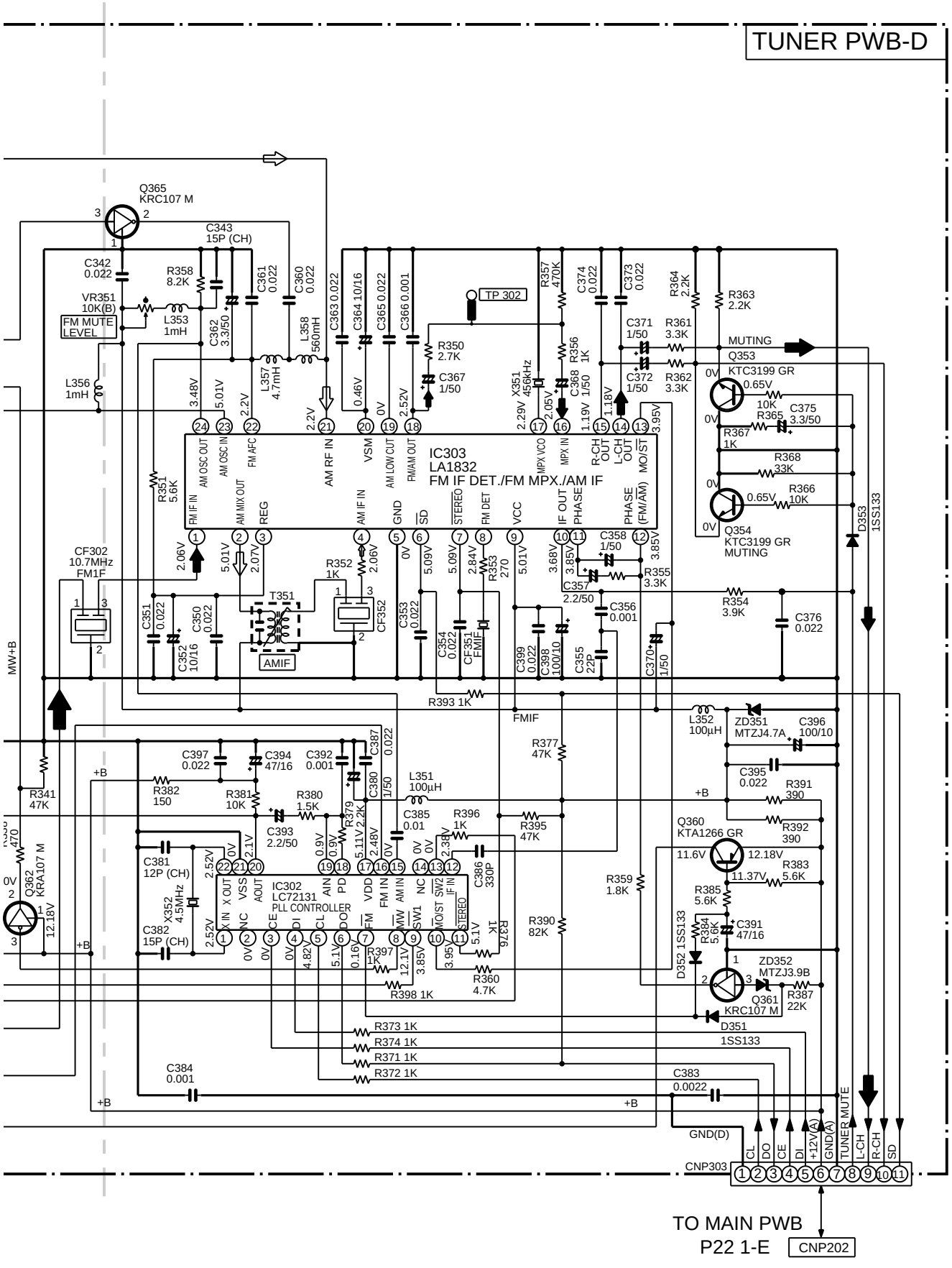


Figure 30 SCHEMATIC DIAGRAM (8/15)



7	8	9	10	11	12

Figure 31 SCHEMATIC DIAGRAM (9/15)

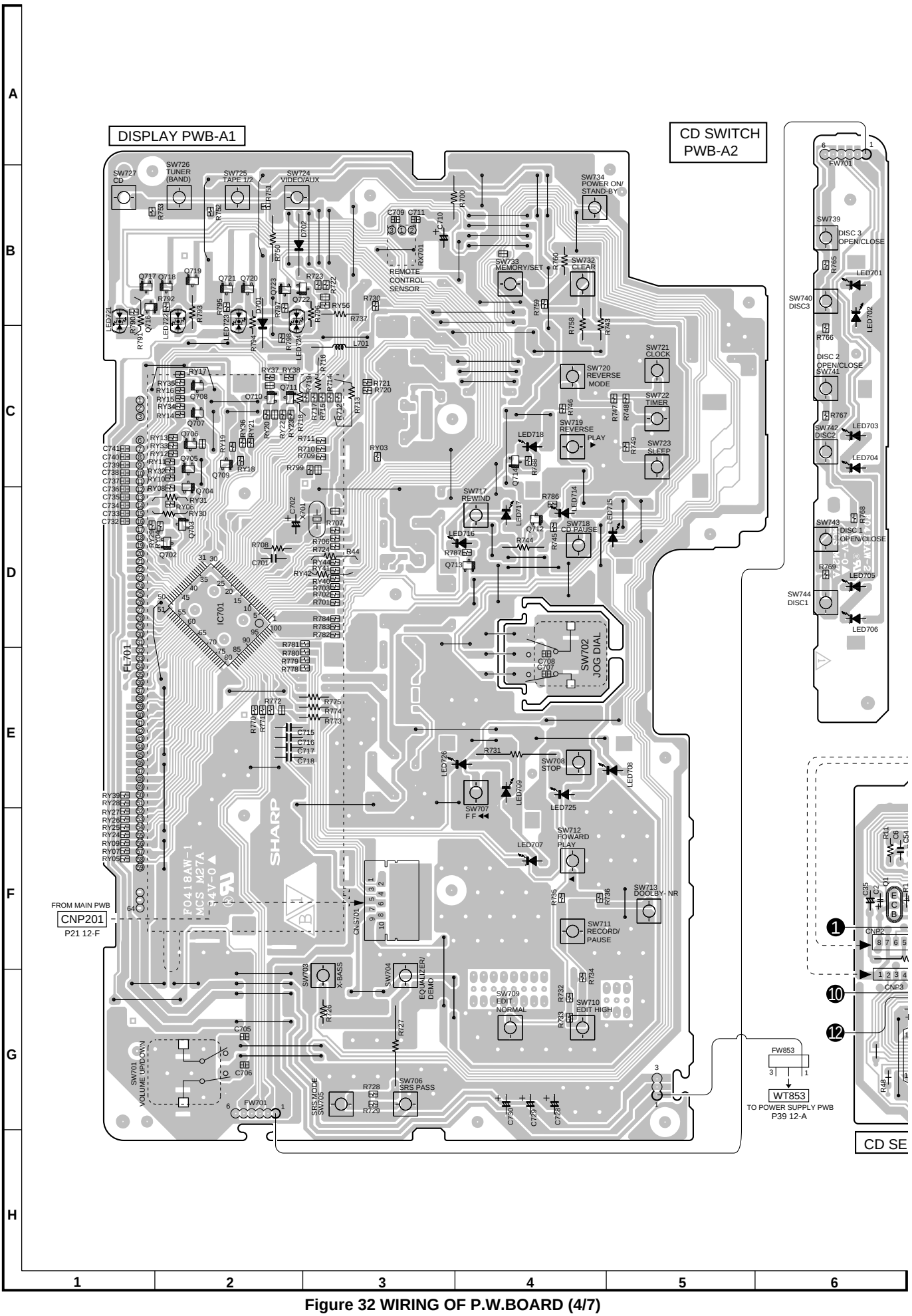
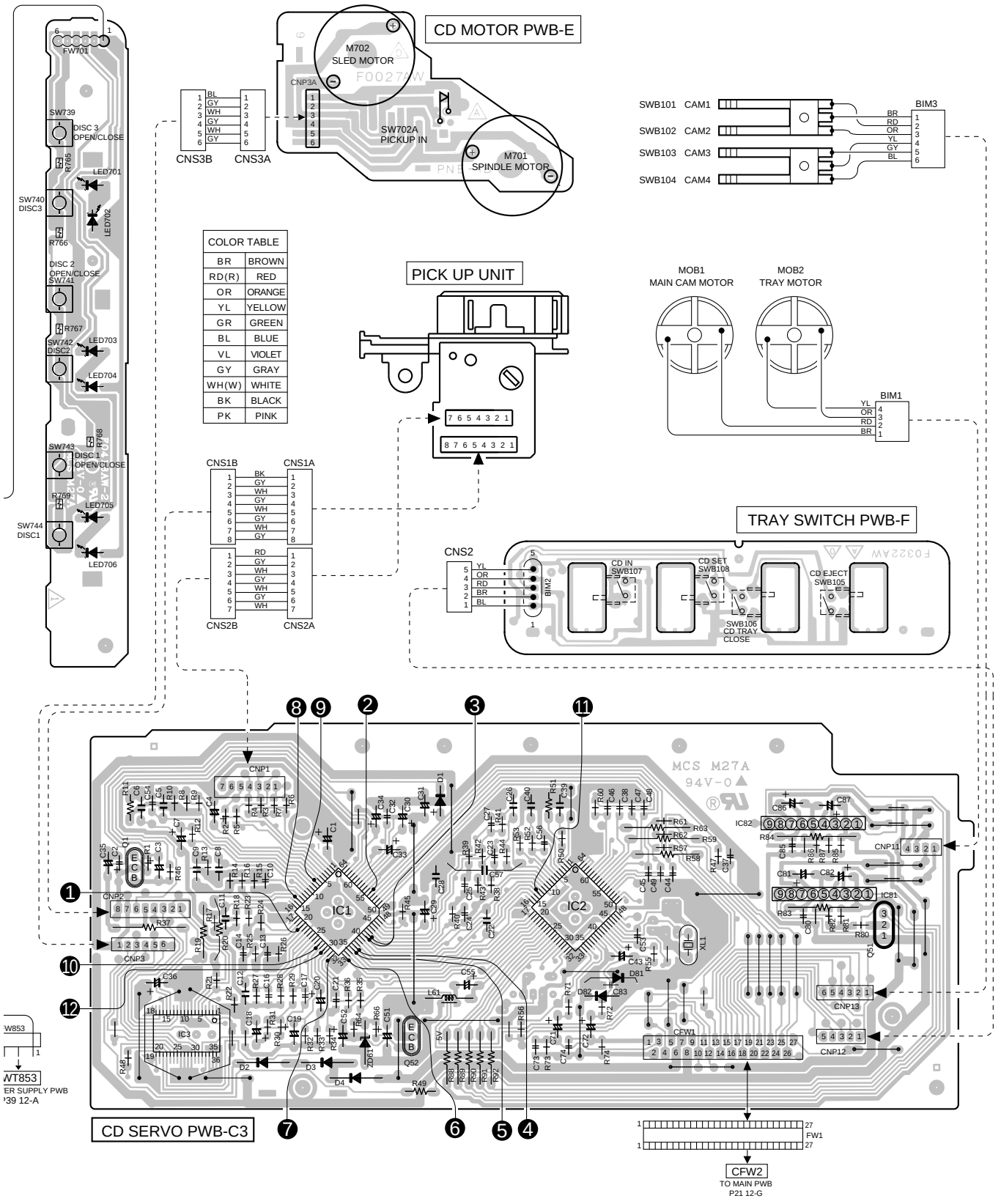


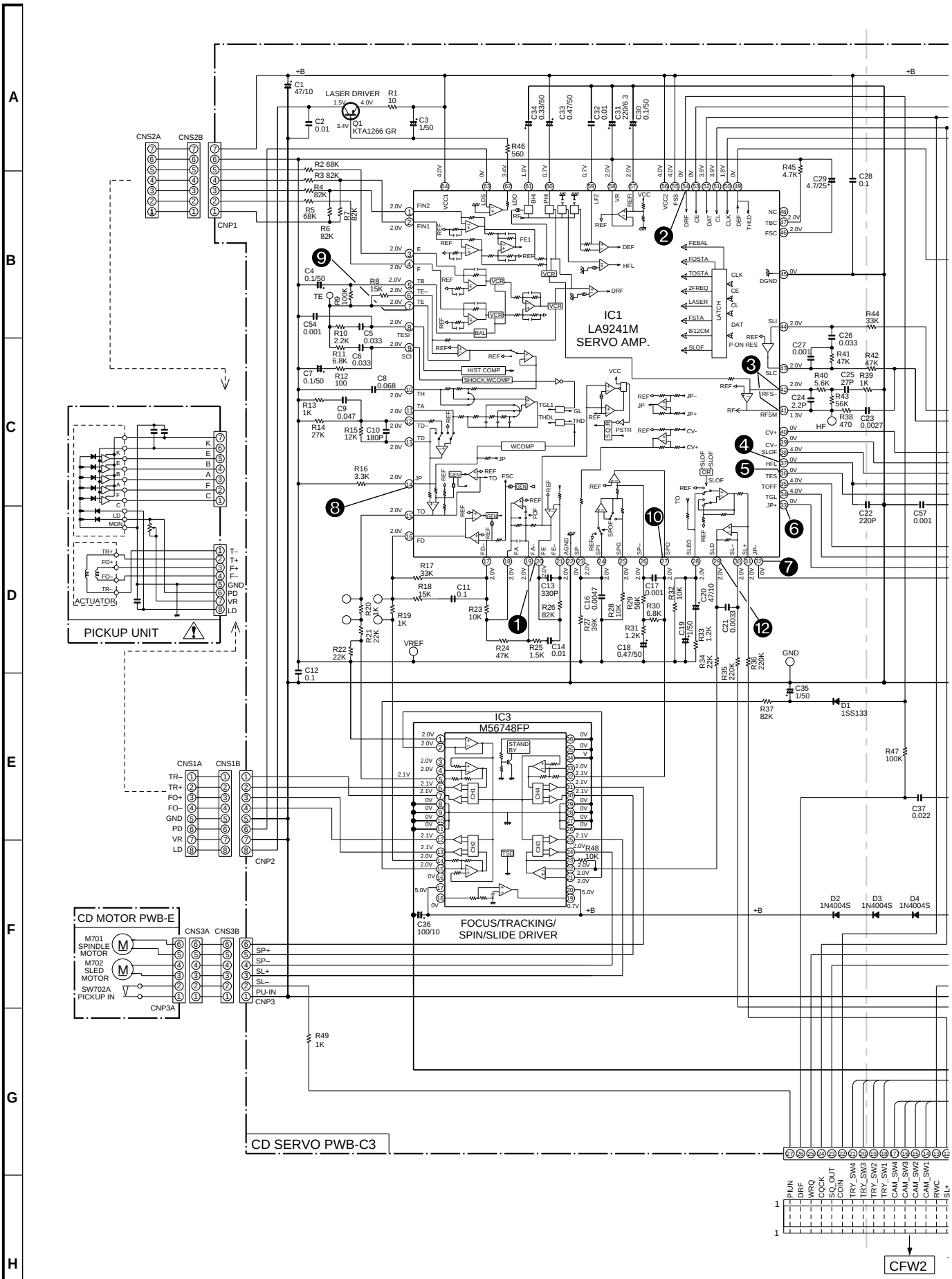
Figure 32 WIRING OF P.W.BOARD (4/7)



The numbers ❶ to ⓬ are waveform numbers shown in page 42.

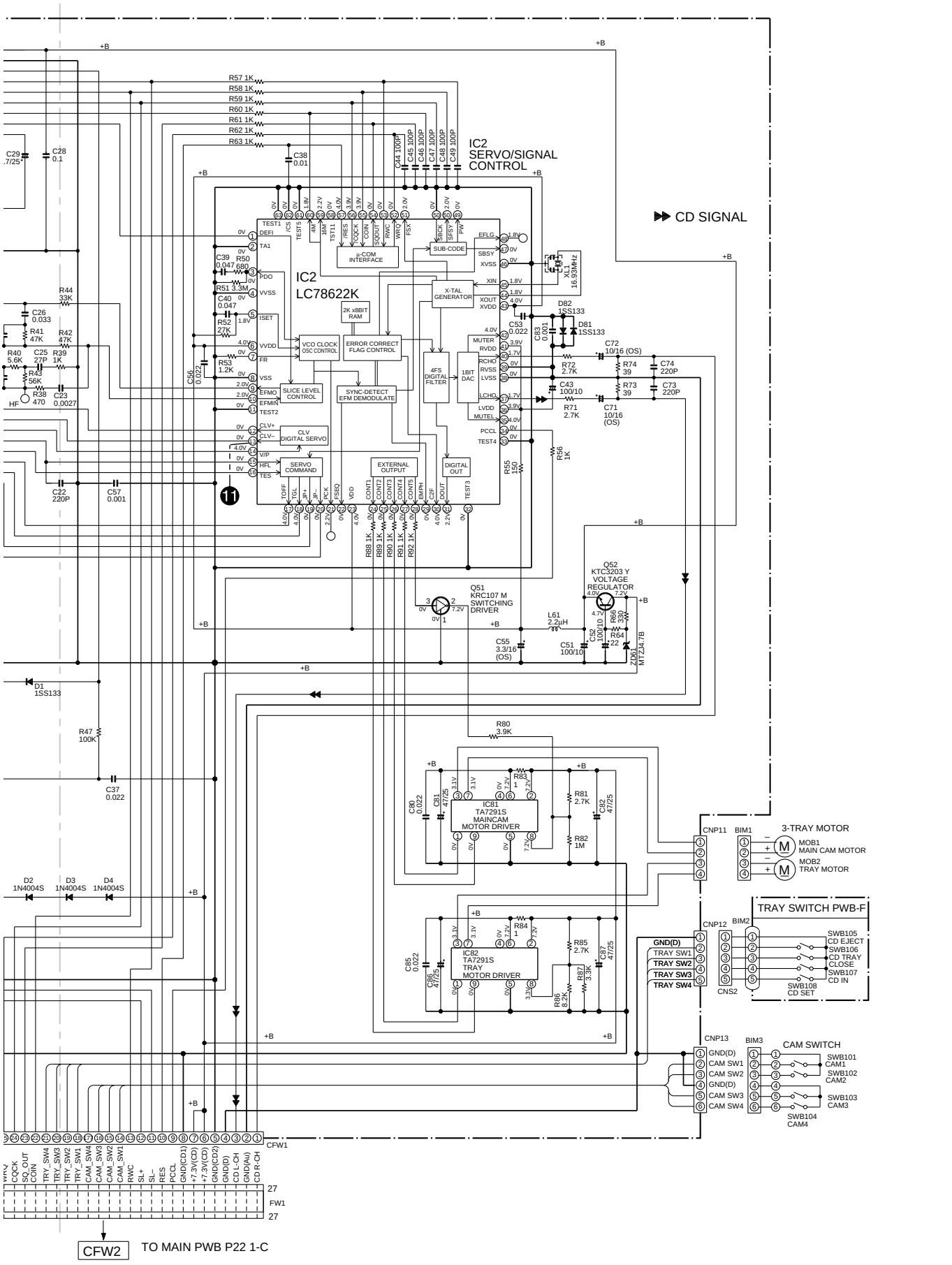
7	8	9	10	11	12

Figure 33 WIRING OF P.W.BOARD (5/7)



NOTES ON SCHEMATIC DIAGRAM can be found on page 16.

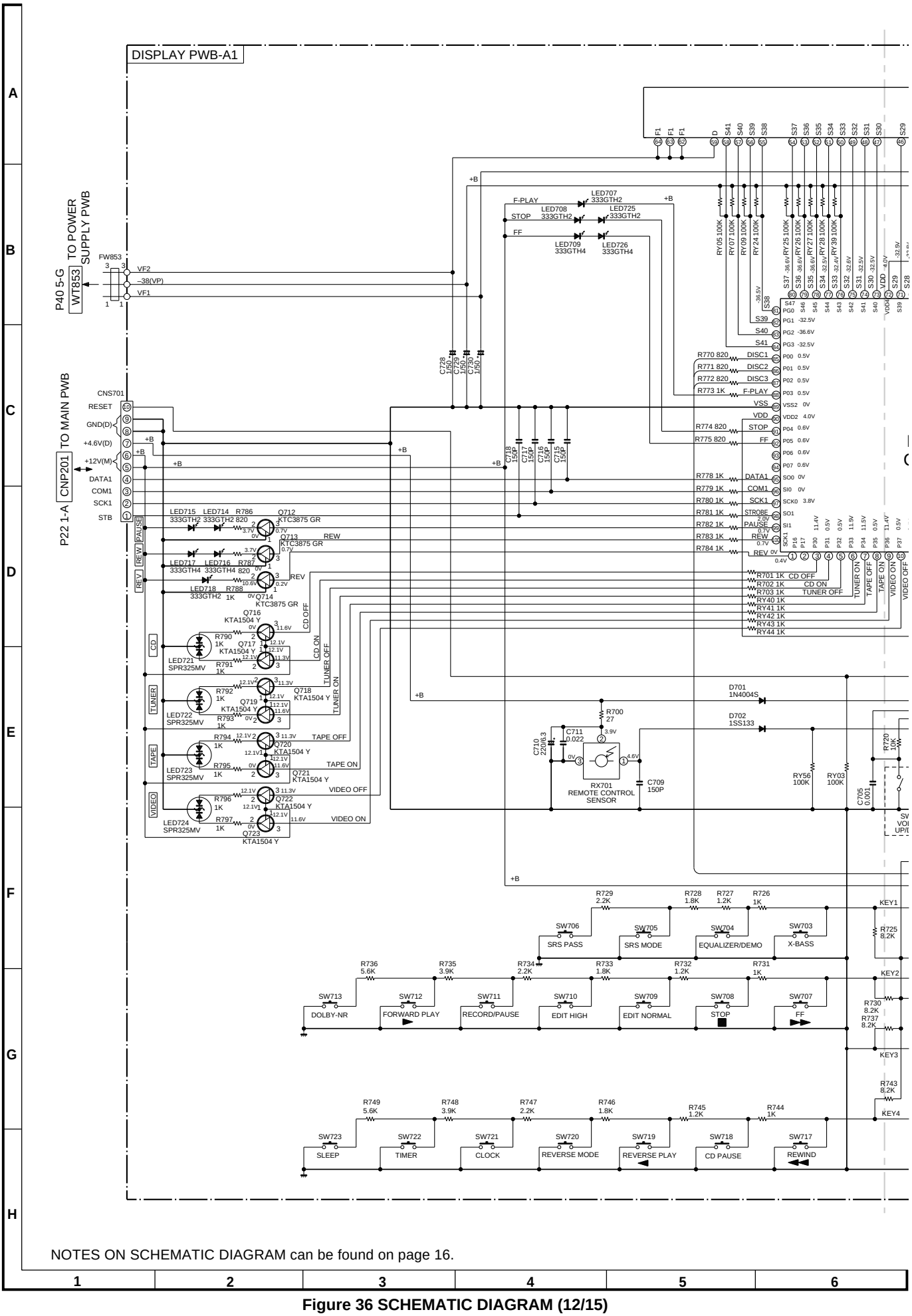
Figure 34 SCHEMATIC DIAGRAM (10/15)



The numbers ❶ to ⓬ are waveform numbers shown in page 42.

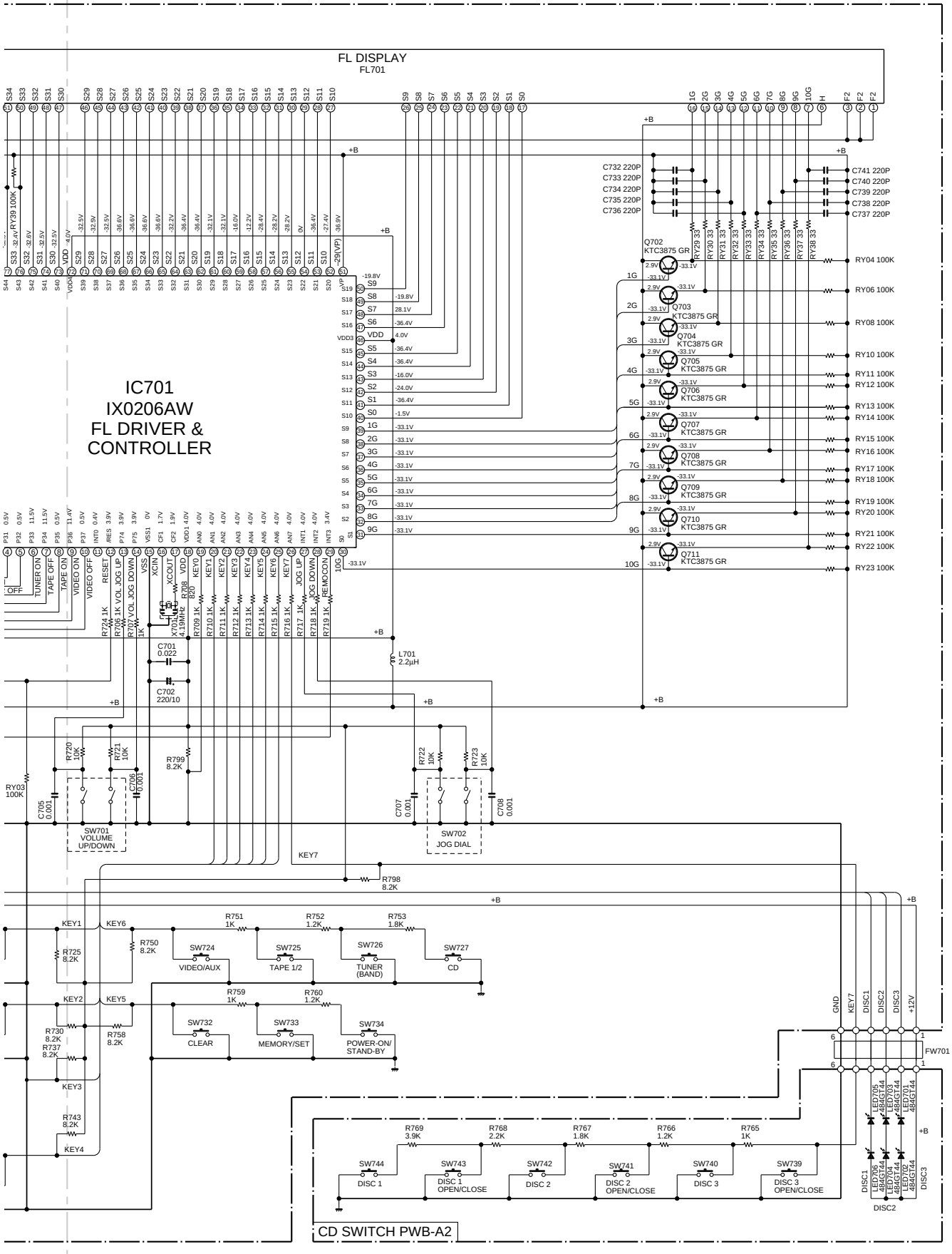
7	8	9	10	11	12

Figure 35 SCHEMATIC DIAGRAM (11/15)



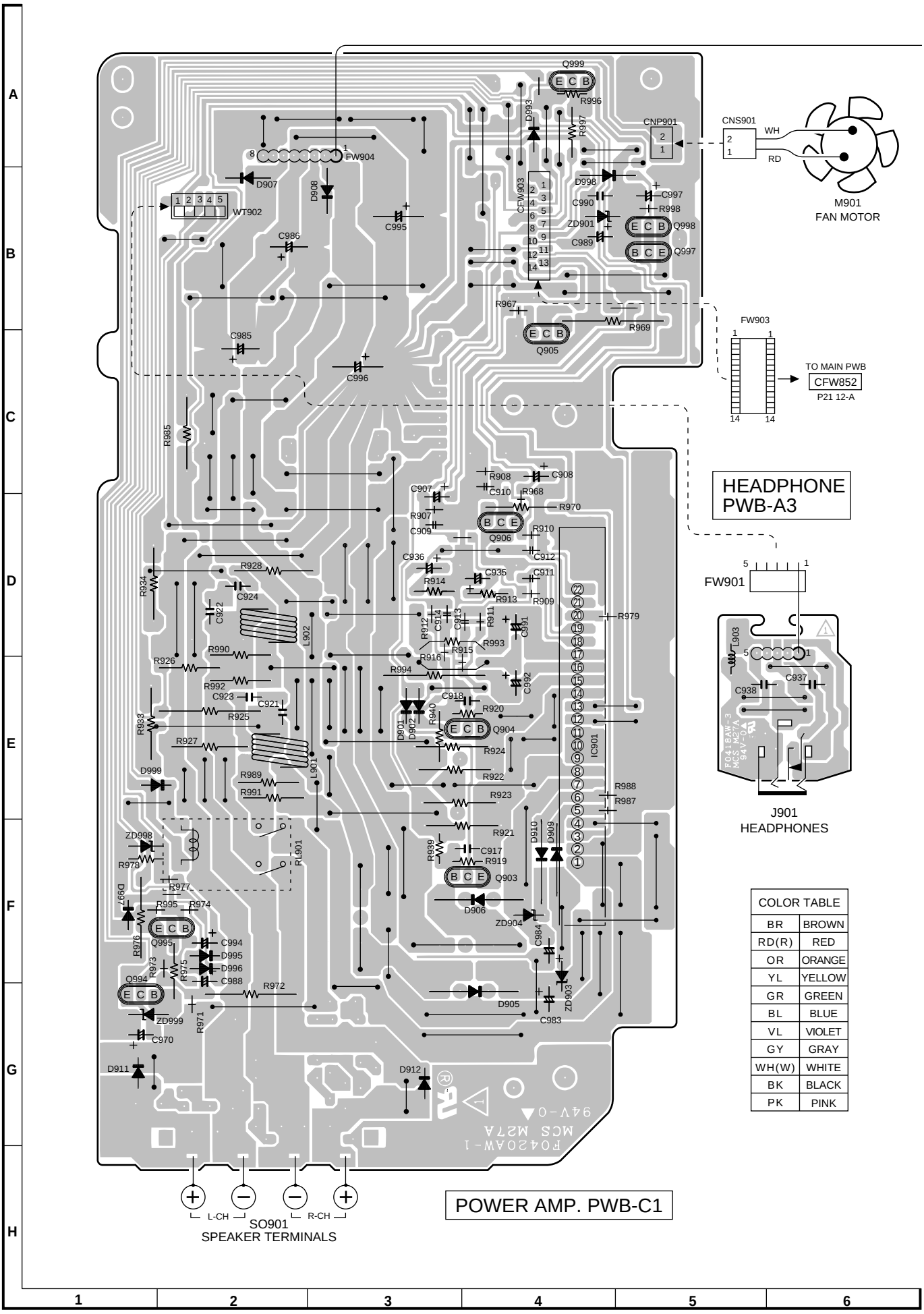
NOTES ON SCHEMATIC DIAGRAM can be found on page 16.

Figure 36 SCHEMATIC DIAGRAM (12/15)



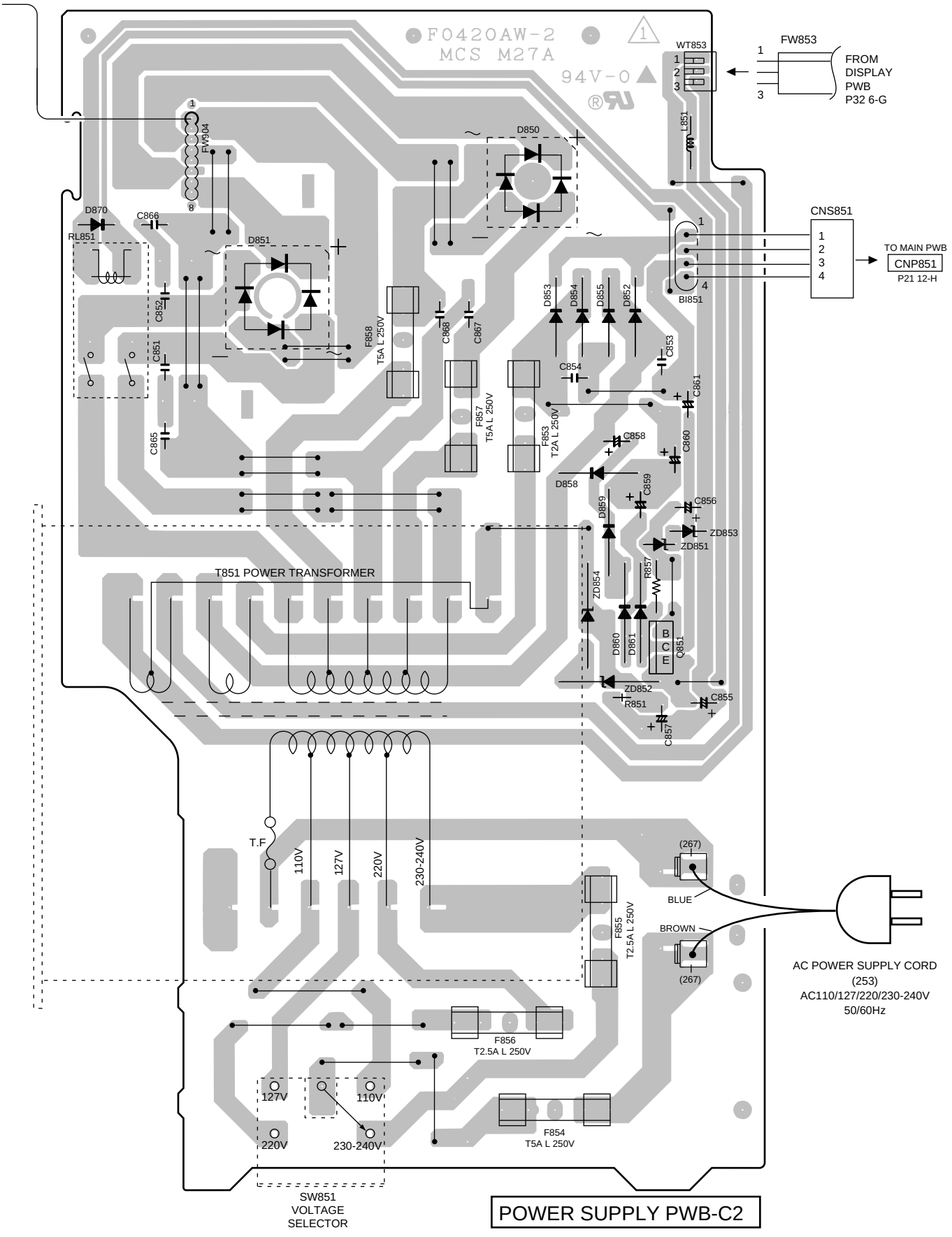
7	8	9	10	11	12

Figure 37 SCHEMATIC DIAGRAM (13/15)



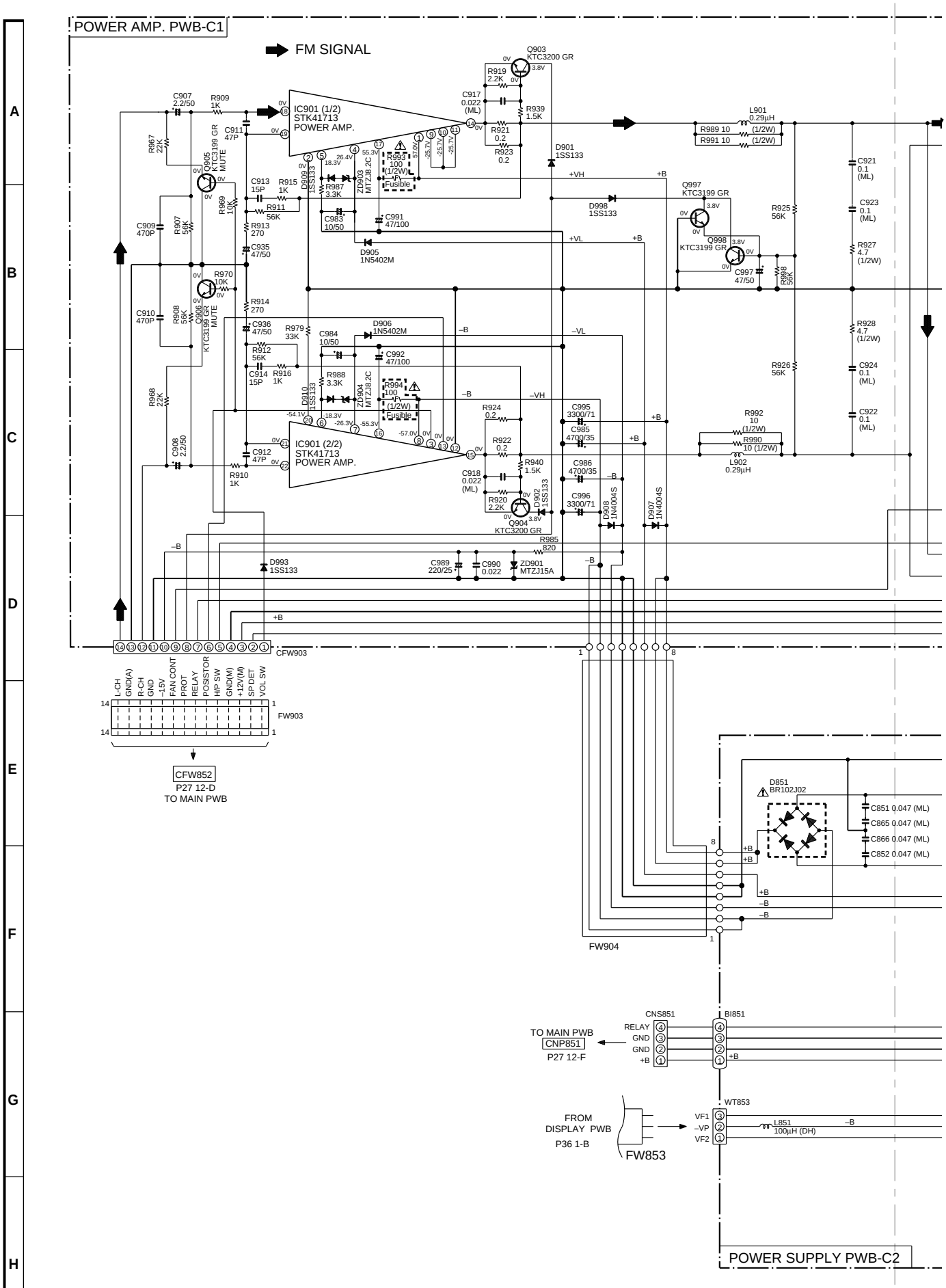
COLOR TABLE	
BR	BROWN
RD(R)	RED
OR	ORANGE
YL	YELLOW
GR	GREEN
BL	BLUE
VL	VIOLET
GY	GRAY
WH(W)	WHITE
BK	BLACK
PK	PINK

Figure 38 WIRING OF P.W.BOARD (6/7)



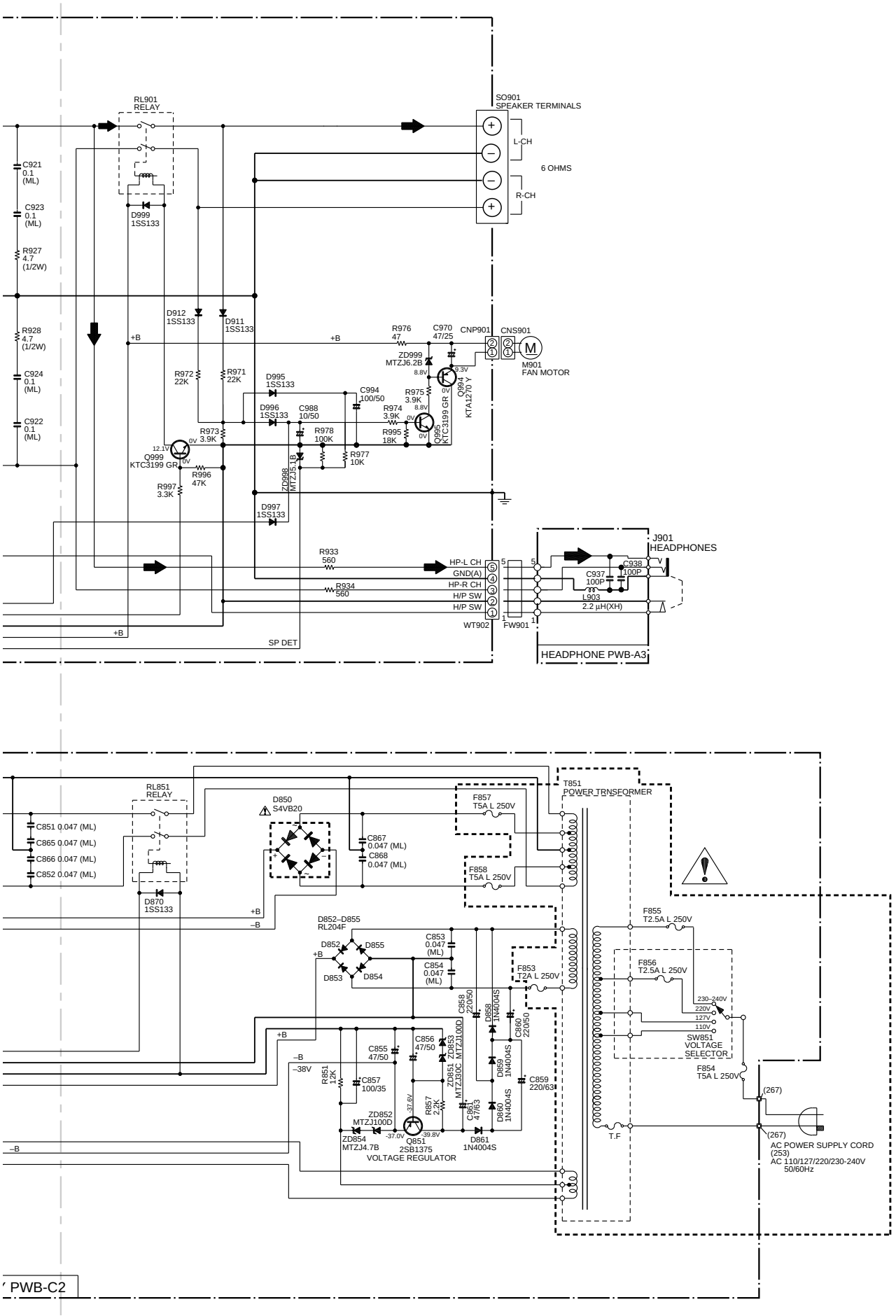
7	8	9	10	11	12

Figure 39 WIRING OF P.W.BOARD (7/7)



NOTES ON SCHEMATIC DIAGRAM can be found on page 36.

Figure 40 SCHEMATIC DIAGRAM (14/15)



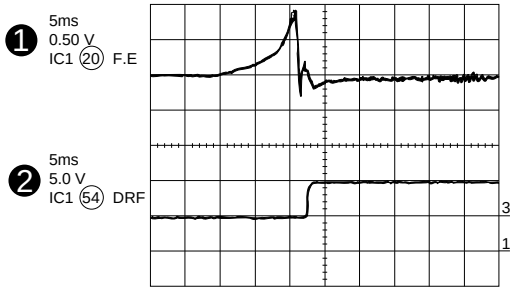
7	8	9	10	11	12

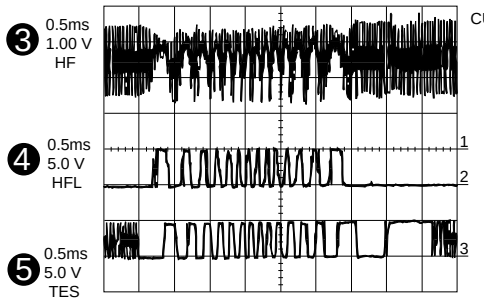
Figure 41 SCHEMATIC DIAGRAM (15/15)

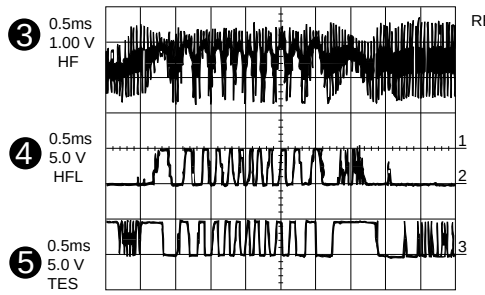
WAVEFORMS OF CD CIRCUIT

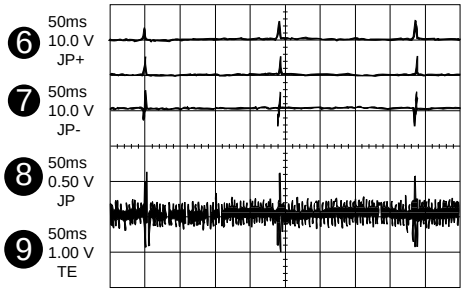
STOP → PLAY

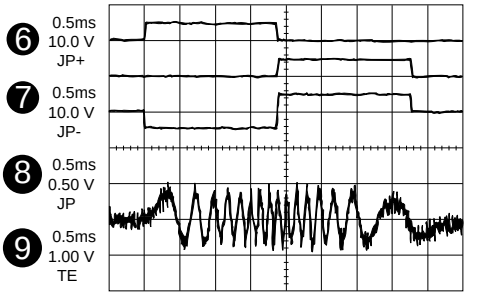
FOCUS — SERCH

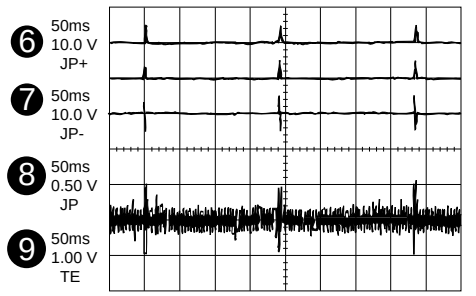


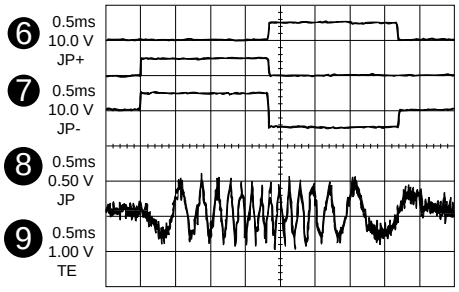


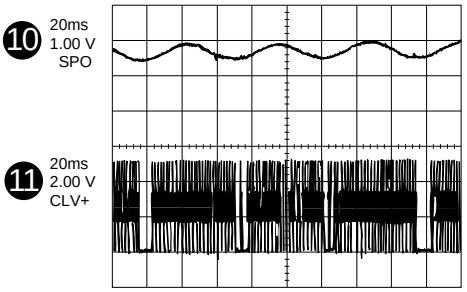


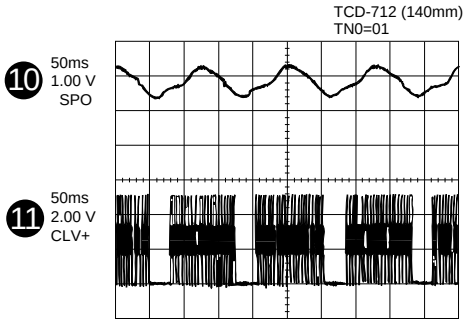


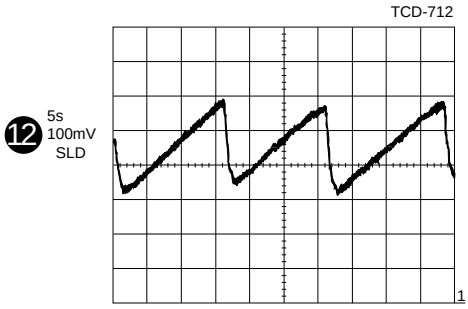


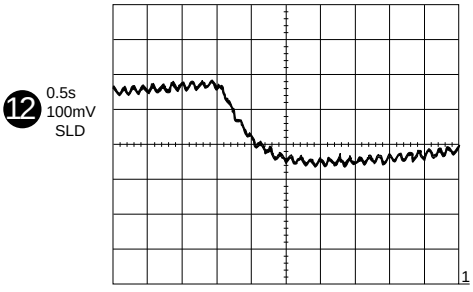










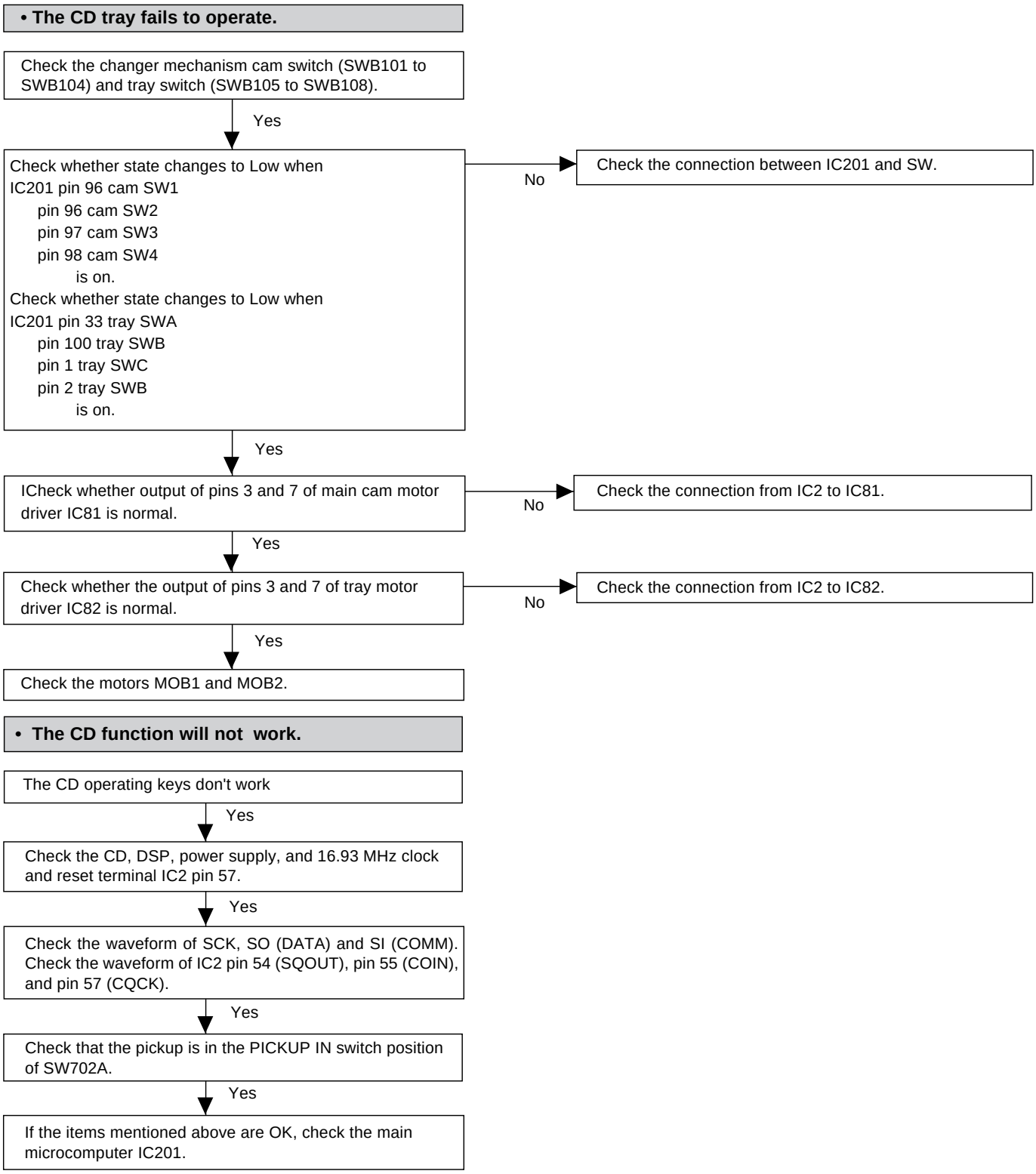


TROUBLESHOOTING

When the CD does not function

When the CD section does not operate When the objective lens of the optical pickup is dirty,this section may not operate.Clean the objective lens,and check the playback operation.When this section does not operate even after the above step is taken,check the following items.
Remove the cabinet and follow the troubleshooting instructions.
"Track skipping and/or no TOC(Table Of Contents) may be caused by build up of dust other foreign matter on the laser pickup lens. Before attempting any adjustment make certain that the lens is clean. If not, clean it as mentioned below."

Turn the power off.
Gently clean the lens with a lens cleaning tissue and a small amount of isopropyl alcohol.
Do not touch the lens with the bare hand.


• The CD tray fails to operate.
Check the changer mechanism cam switch (SWB101 to SWB104) and tray switch (SWB105 to SWB108).
Yes
Check whether state changes to Low when
IC201 pin 96 cam SW1
pin 96 cam SW2
pin 97 cam SW3
pin 98 cam SW4
is on.
Check whether state changes to Low when
IC201 pin 33 tray SWA
pin 100 tray SWB
pin 1 tray SWC
pin 2 tray SWB
is on.
No
Check the connection between IC201 and SW.
Yes
ICheck whether output of pins 3 and 7 of main cam motor driver IC81 is normal.
No
Check the connection from IC2 to IC81.
Yes
Check whether the output of pins 3 and 7 of tray motor driver IC82 is normal.
No
Check the connection from IC2 to IC82.
Yes
Check the motors MOB1 and MOB2.
• The CD function will not work.
The CD operating keys don't work
Yes
Check the CD, DSP, power supply, and 16.93 MHz clock and reset terminal IC2 pin 57.
Yes
Check the waveform of SCK, SO (DATA) and SI (COMM). Check the waveform of IC2 pin 54 (SQOUT), pin 55 (COIN), and pin 57 (CQCK).
Yes
Check that the pickup is in the PICKUP IN switch position of SW702A.
Yes
If the items mentioned above are OK, check the main microcomputer IC201.

• The CD operation keys work.

Check the FOCUS-HF system.

Playback can be performed without a disc.

Yes

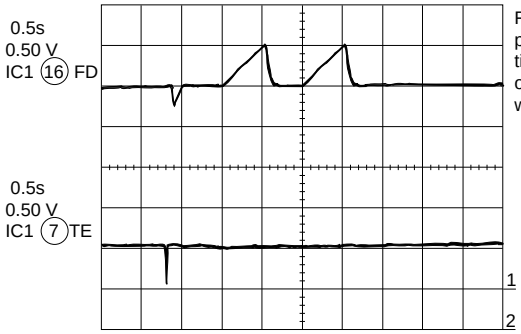
Does the pickup move up and down two twice? — No → Focus search OK

Yes

Does the output waveform of IC1 pin 16 (FD) match that shown in Figure 44-1? — No → Check the area around IC3 to CNP2.

Yes

Check 4 MHz of IC1 pin 50 (CLK) line and the microcomputer data of pin 51 (CL), pin 52 (DAT) and pin 53 (CE).



Focus search is performed two times when play operation is done without disc.

Figure 44-1

• Playback can only be performed when disc is loaded.

Is the Focus servo active? (Can you hear it working?) — No → Check the laser diode driver. Check the area around IC1 pin 16 to pin 21 (focus servo circuit).

Yes

Does the DRF signal of IC1 pin 54 change from "L" to "H"? — No → If the disc is not turning, the DRF should not change to "H". — Yes → Check the spindle system.

Yes

Is HF waveform normal (see the Figure 44-2, Figure44-3.)? — No → Level is abnormal — Yes → Check the periphery of IC1 pin 41 and pin 42.

Yes

Check the tracking system.

No → Waveform is unstable. — Yes → Check the spindle system.

HF
1.0V/DIV
0.5µsec/DIV(DC)
(When playing back the disc)

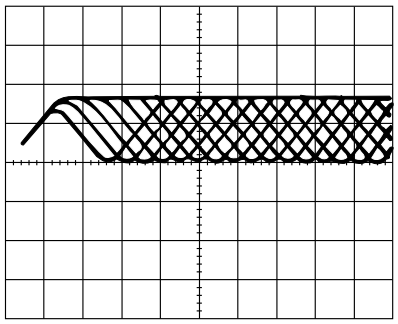
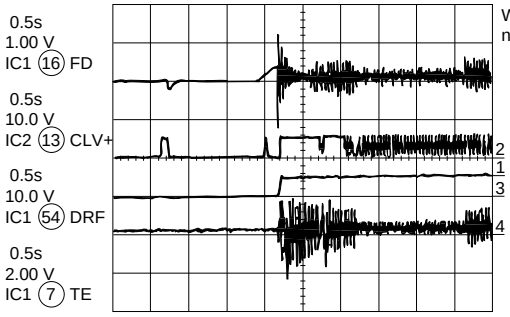


Figure 44-2



Waveform in case of normal play-back

Figure 44-3

• Check the tracking system.

Check the waveform of IC1 pin 7 (TE).

- The waveform shown in Figure 45-1 appears, and no disc state appears soon. → Yes → Tracking servo is inoperative. → Yes → Check the periphery of IC1 pin 8 to pin 15, and IC5 to CNP2.
- Playback is possible in TEST mode. → Yes → Playback is impossible although initialization is possible. → Yes → Normal jump is impeded, and the program top cannot be reached. → Yes → Check the periphery of IC1 pin 14.
- Data cannot be read. → Yes → Check the VCO-PLL system.

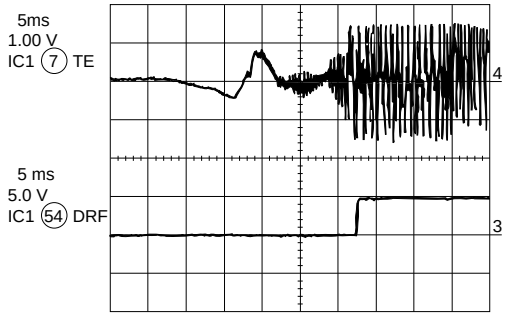


Figure 45-1

• Check the spindle system

Play operation is performed without disc.

↓ Yes

The turntable rotates a little. → No → The spindle driver is normal.

↓ Yes

The turntable fails to rotate or rotates at high speed. → No → Check the periphery of IC1 pin 23 to pin 27, pin 39, pin 40, IC2 pin 12, pin 13, from IC3 to CNP3.

• Checking the VCO-PLL system.

Play operation is performed when disc exists.

↓ Yes

Although the HF waveform is normal, TOC data cannot be read. → No → Check the PDD waveform of IC2 pin 3. (Figure 45-2)

↓ Abnormal

Check the IC1 pin 43, pin 44, IC2 pin 3, pin 5, pin 7, pin 10, and pin 11.

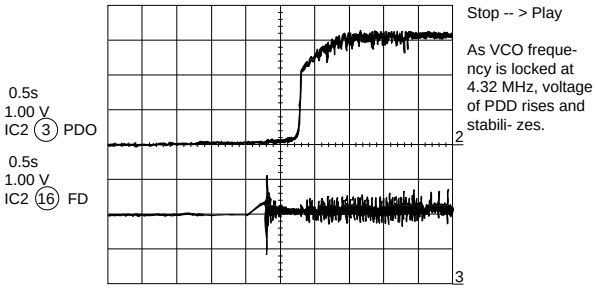


Figure 45-2

• Although HF waveform is normal and time indication is normal, no sound is not output.

Check the IC2 pin 48 (EFLG). → No → Usually, the number of pulses of flawless disc is 100 pulses/sec or less.

↓ Yes

Check the IC2 pin 37 and pin 40.

↓ Yes

Check IC501 and POWER AMP. IC901.

FUNCTION TABLE OF IC

IC1 VHiLA9241M/-1:Servo Amp., (LA9241M) (1/2)

Pin No.	Port Name	Function
1	FIN2	Connection pin for photodiode of pickup. RF signal is generated through addition with FIN pin, and FE signal is generated through subtraction.
2	FIN1	Connection pin for photodiode of pickup.
3	E	Connection pin for photodiode of pickup. TE signal is generated through subtraction with F pin.
4	F	Connection pin for photodiode of pickup.
5	TB	Pin for input of DC component of TE signal.
6	TE-	Pin to connect gain setting resistor of TE signal to TE signal.
7	TE	TE signal output pin.
8	TESI	TES (Track error sense) comparator input pin. TE signal is band-passed and input.
9	SCI	Input pin for shock detection.
10	TH	Pin to set time constant of tracking gain.
11*	TA	TA amplifier output pin.
12	TD-	Pin to compose tracking phase compensation constant between TD and VR pins.
13	TD	Pin to set tracking phase compensation.
14	JP	Pin to set amplitude of tracking jump signal (kick pulse).
15	TO	Tracking control signal output pin.
16	FD	Focusing control signal output pin.
17	FD-	Pin to compose focusing phase compensation constant between FD and FA pins.
18	FA	Pin to compose focusing phase compensation constant between FD-/FA-pins.
19	FA-	Pin to compose focusing phase compensation constant between FA and FE pins.
20	FE	Output pin of FE signal.
21	FE-	Pin to connect gain setting resistor of FE signal across TE pin.
22	AGND	GND for analog signal.
23	SP	Single end output for CV+ and CV- pin input.
24	SPI	Spindle amplifier input.
25	SPG	Pin to connect gain setting resistor in the 12cm mode of spindle.
26	SP-	Pin to connect spindle phase compensation constant together with SPD pin.
27	SPO	Spindle control signal output pin.
28	SLEO	Pin to connect thread phase compensation constant.
29	SLD	Thread control signal output pin.
30	SL-	Input pin of thread feed signal from micro computer.
31	SL+	Input pin of thread feed signal from micro computer.
32	JP-	Input pin of tracking jump signal from DSP.
33	JP+	Input pin of tracking jump signal from DSP.
34	TGL	Input pin of tracking gain control signal from DSP. TGL = Gain low at "H"
35	TOFF	Input pin of tracking off control signal from DSP. TOFF = Off at "H"
36	TES	Output pin of TES signal to DSP.
37	HFL	(HIGH FREQUENCY LEVEL) is used to judge whether main beam is positioned on the bit or on the mirror.
38	SLOF	Thread servo off control input pin.
39	CV-	Pin to input CLV error signal from DSP.
40	CV+	Pin to input CLV error signal from DSP.
41	RFSM	RF output pin.
42	RFS-	Pin to set gain of RF and set 3T compensation constant together with RFSM pin.
43	SLC	(SLICE LEVEL CONTROL) is the output pin to control of the level of the data slice with RF waveform DSP.
44	SLI	Input pin to control the level of data slice with DSP.
45	DGND	GND pin in the digital system.
46	FSC	Output pin for focus search smoothening capacitor.
47	TBC	(Tracking Balance Control) Pin to set EF balance variable range.
48*	NC	No connect.
49	DEF	Defect detection output pin of disk.
50	CLK	Reference clock input pin. 4.23MHz of DSP is input.

In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

IC1 VHiLA9241M/-1:Servo Amp., (LA9241M) (2/2)

Pin No.	Port Name	Function
51	CL	Micro computer command clock input pin.
52	DAT	Micro computer command data input pin.
53	CE	Micro computer command chip enable input pin.
54	DRF	(DETECT RF) RF level detection output.
55	FSS	(Focus Serch Select) Pin to switch focus search mode. (± search/+ search for reference voltage)
56	VCC2	VCC pin for servo system and digital system.
57	REFI	Pin to connect pass control for reference voltage.
58	VR	Reference voltage output pin.
59	LF2	Pin to set defect detection time constant of disk.
60	PHI	Pin to connect capacitor for peak hold of RF signal.
61	BHI	Pin to connect capacitor for bottom hold of RF signal.
62	LDD	APC circuit output pin.
63	LDS	APC circuit output pin.
64	VCC1	RF system VCC pin.

IC1 VHiLA9241M/-1:Servo Amp., (LA9241M) (2/2)

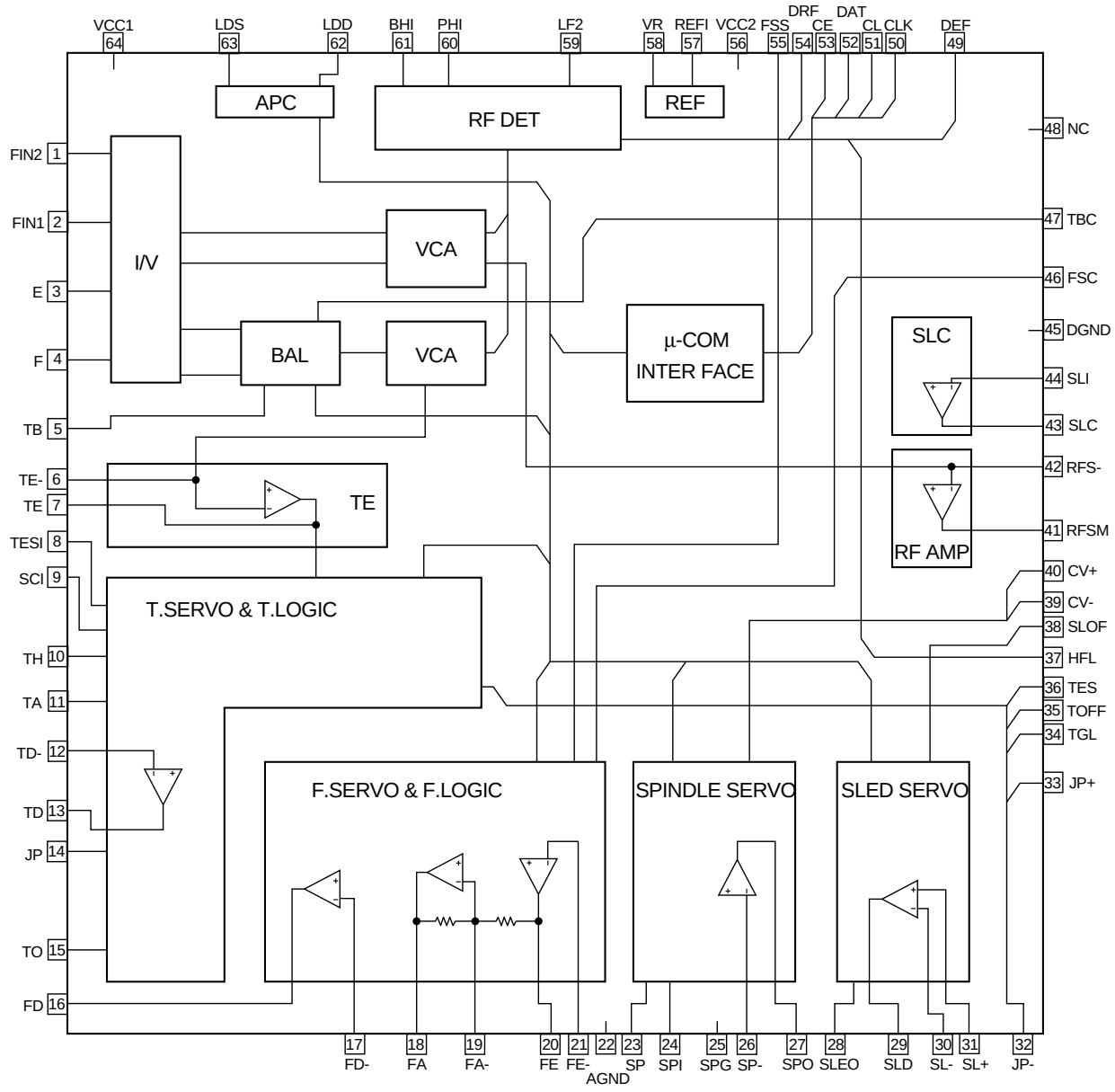


Figure 47 BLOCK DIAGRAM OF IC

IC2 VHiLC78623K-1:Servo/Signal Control(LC78623K) (1/2)

Pin No.	Terminal Name	Input/Output	Function	
1	DEFI	Input	Input terminal of defect detection signal (DEF). (Connected to OV when not used.)	
2	TA1	Input	For PLL	Input terminal for test. Pull-down resistor is integrated. Surely connected to 0V.
3	PDO	Output		Output terminal of phase comparison for external VCO control.
4	VVSS	—		Ground terminal for integrated VCO. Surely connected to 0V.
5	ISET	Input		Resistance connection terminal for current adjustment of PDO output.
6	VVDD	—		Power terminal for integrated VCO.
7	FR	Input		VCO frequency range adjustment.
8	VSS	—	Ground terminal of digital system. Surely connected to 0V.	
9	EFMO	Output	For slice level control	EFM signal output terminal.
10	EFMIN	Input		EFM signal input terminal.
11	TEST2	Input	Input terminal for test. Pull-down resistor is integrated. Surely connected to 0V.	
12	CLV+	Outout	Output for disk motor control. 3 values can be output with the commands.	
13	CLV-	Output	Output for disk motor control. 3 values can be output with the commands.	
14	V/P	Output	Monitor output terminal for automatic switch of rough servo/phase control. "H" for rough servo, and "L" for phase servo.	
15	HFL	Intput	Input terminal of track detection signal. Schmit input.	
16	TES	Input	Input terminal of tracking error signal. Schmit input.	
17	TOFF	Output	Tracking OFF output terminal.	
18	TGL	Output	Output terminal for switch of tracking gain "L" increases the gain.	
19	JP+	Output	Output for track jump control. 3 values can be output with the commands.	
20	JP-	Output	Output for track jump control. 3 values can be output with the commands.	
21*	PCK	Output	Clock monitor terminal for EFM data replay. 4,3218MHz as the phase clock.	
22*	FSEQ	Output	Output terminal synchronous signal detection. "H" is output when synchronous signal detected by EFM signal matches synchronous signal internally generated.	
23	VDD	—	Power terminal of digital system.	
24	CONT1	Output	OPEN direction	
25	CONT2	Output	CLOSE direction	
26	CONT3	Output	Cam motor forward rotation	
27	CONT4	Output	Cam motor reverse rotation	
28*	CONT5	Output	Cam motor speed selection High speed "L" Low speed "H"	
29*	EMPH	Output	Difference monitor terminal At "H", deemphasis disk is being replayed.	
30*	C2F	Output	C2 flag output terminal.	
31	DOUT	Output	Output terminal of digital OUTPUT. (EIAJ format)	
32*	TEST3	Input	Input terminal for test. Pull-down resistor is integrated. Surely connected to 0V.	
33	TEST4	Input	Input terminal for test. Pull-down resistor is integrated. Surely connected to 0V.	
34*	N.C.	—	Terminal not used. Open during operation.	
35*	MUTEL	Output	L channel 1 bit DAC	Mute output terminal for L channel.
36	LVDD	—		Power terminal for L channel.
37	LCHO	Output		L channel output terminal.
38	LVSS	—		Ground terminal for L channel Surely connected to 0V.
39	RVSS	—	R channel 1 bit DAC	Ground terminal for R channel Surely connected to 0V.
40	RCHO	Output		R channel output terminal.
41	RVDD	—		Power terminal for R channel.
42*	MUTER	Output		Mute output terminal for R channel.
43	XVDD	—	Power terminal for quartz oscillation.	
44	XOUT	Output	Ground terminal of 16.9344 MHz quartz oscillator.	
45	XIN	Input	Ground terminal of 16.9344 MHz quartz oscillator.	
46	XVSS	—	Ground terminal for quartz oscillation. Surely connected to 0V.	
47*	SBSY	Output	Output terminal of synchronous signal of subcode block.	
48*	EFLG	Output	Correction monitor terminal of C1, C2, single and double.	

In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

IC2 VHiLC78623K-1:Servo/Signal Control(LC78623K) (2/2)

Pin No.	Terminal Name	Input/Output	Function
49*	PW	Output	Output terminal of subcodes P, A, R, S, T, U and W.
50*	SFSY	Output	Output terminal of synchronous signal of subcode frame. It drops when subcode stands by.
51	SBCK	Input	Clock input terminal to read subcode. Schmit input (Connected to 0V when not used.)
52*	FSX	Output	Output terminal of synchronous signal of 7.35kHz divided from quartz oscillation.
53	WRQ	Output	Output terminal to stand by output of subcode Q.
54	RWC	Input	Input terminal of read/write. Schmit input.
55	SQOUT	Output	Output terminal of subcode Q.
56	COIN	Input	Command input terminal from microcomputer.
57	$\overline{CQCK}$	Input	Clock input terminal to fetch command input, or pick up subcode from SQOUT. Schmit input
58	$\overline{RES}$	Input	Reset input terminal of LC78622. When turning on power, set it at "L".
59*	TST11	Output	Output terminal for test. Used in the open state ("L" output as ordinary).
60*	16M	Output	Output terminal of 16.9344Hz.
61	4M	Output	Output terminal of 4.2336MHz.
62	TEST5	Input	Input terminal for test Pull-down resistor is integrated. Surely connected to 0V.
63	$\overline{CS}$	Input	Chip selection input terminal. Pull-down resistor is integrated. Connected to 0when not controlled.
64	TEST1	Input	Input terminal for test Pull-down resistor is integrated. Surely connected to 0V.

Note: The same potential must be supplied to the power terminals (VDD, VVDD, LVDD, RVDD, XVDD).

In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

IC2 VHiLC78623K-1:Servo/Signal Control(LC78623K) (2/2)

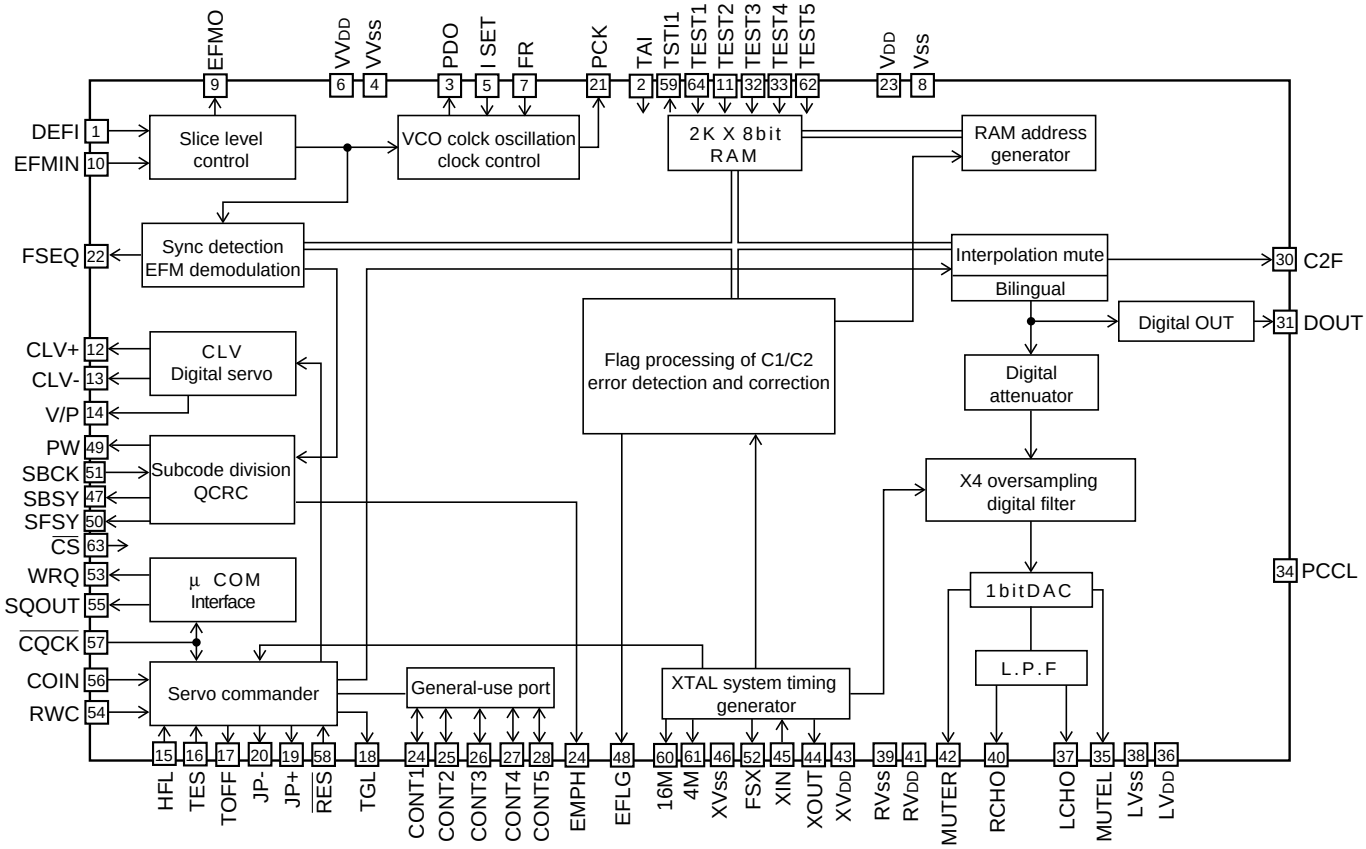


Figure 49 BLOCK DIAGRAM OF IC

IC201 RH-iX0210AWZZ: System Microcomputer (IX0210AW)(1/2)

Pin No.	Port Name	Terminal Name	Input/Output	Function
1	P06	TRY SW3	Input	CD
2	P07	TRY SW4	Input	CD
3	SO0	COIN	Output	CD command
4	SI0	SQ_OUT	Input	CD Q code data
5	SCK0	CQ CK	Output	CD seria clock
6	SO1	COM	Output	DISP microcomputer control line
7	SI1	DAT	Input	DISP microcomputer control line
8	SCK1	SCK	Output	DISP microcomputer control line
9	P16	STB	Output	DISP microcomputer control line
10	P17	DISP-RES	Output	DISP microcomputer control line
11	INT0	WRQ	Input	CD WRQ input
13	P74	DRF	Input	CD DRF input
14	P75	PU-IN SW	Input	CD PU-IN SW input
19	AN0	63 Hz	Input	Input for spectrum analyzer 63 Hz
20	AN1	250 Hz	Input	Input for spectrum analyzer 250 Hz
21	AN2	1 kHz	Input	Input for spectrum analyzer 1 kHz
22	AN3	4 kHz	Input	Input for spectrum analyzer 4 kHz
23	AN4	16 KHZ	Input	Input for spectrum analyzer 16 KHz
24	AN5	POSISTOR	Input	Input for temperature detection
25	AN6	TUNER SM	Input	For tuner input detection
26	AN7	SP DET	Input	For speaker output detection
27	INT1	SYS-STOP	Input	Power failure detection input ⇒ HOLD mode
28	INT2	SP PROTECT	Input	Speaker ovecurrent detection input ⇒ PROTECT mode
29	INT3		Input	
30	PA0	B-FP SW	Input	Tape B-FPSW
31	PA1	A-FP SW	Input	Tape A-FP SW
32	PA2	T2 CrO SW	Input	Tape T2 CrO SW
33	PA3	T1 CrO SW	Input	Tape T1 CrO SW
34	PA4	T2 RUN	Input	Tape T2 RUN pulse
35	PA5	T2 PLAY SW	Inputt	Tape T2 PLAY SW
36	PA6	Voltage selection	Output	Voltage selection
37	PA7	MOTOR	Output	Tape motor output
38	PB0	T2 SOL	Output	For tape T2 sol drive
39	PB1	T1 SOL	Output	For tape T1 sol drive
40	PB2	T1 RUN	Input	Tape T1 RUN pulse
41	PB3	T1PLAY SW	Input	Tape T1 PLAY SW
42	PB4	HI SPEED	Output	Tape HIGHSPEED state "L" ⇒ "H"
43	PB5	BIAS	Output	Tape REC bias OSC
44	PB6	BEET CANCEL	Output	Tape bias frequency selection; Usually "L"
45	PB7	PB/$\overline{\text{REC}}$	Output	Tepe PB/REC signal selection
46	PC0	PB EQ	Output	Tape PLAYBACK side tape EQ selection NOR/CrO
47	PC1	REC EQ	Output	Tape record Amp EQ selection signal NOR/CrO
48	PC2	REC MUT	Output	Tape
49	PC3	$\overline{\text{T1/T2}}$	Output	Tape T1 : "H" T2 : "L"
50	PC4	DUBBING	Output	Tape
51	PC5	DOLBY ON/OFF	Output	Tape Specification
52	PC6	DOLBY PLAY/REC	Output	Tape
53	PC7	PB MUT	Output	Tape
54	PD0	SP RELAY	Outout	For speaker relay drive
55	PD1	FUN MOTOR	Output	For fan motor drive
58	PD2	TUNER MUT	Output	Tuner

IC201 RH-iX0207AWZZ: System Microcomputer (IX0207AW) (2/2)

Pin No.	Port Name	Terminal Name	Input/Output	Function
59	PD3	SRS PASS	Output	SRS Specification
60	PD4	SRS 3D/MONO	Output	SRS Specification
61	PD5	SRS A	Output	SRS Specification
62	PD6	SRS B	Output	SRS Specification
63	PD7	SRS INH	Output	SRS Specification
64	PE0	Q-SDA	Output	Q-sound
65	PE1	Q-SCL	Output	Q-sound Not specified
66	PE2	Q-STRB	Output	LC75396E, LV1035M, LA1832, LC72131,LC72720
67	PE3	ENA	Output	LC75396E, LV1035M, LA1832, LC72131,LC72720
68	PE4	CE	Output	LC75396E, LV1035M, LA1832, LC72131,LC72720
69	PE5	CL	Output	LC75396E, LV1035M, LA1832, LC72131,LC72720
70	PE6	SD	Input	LC75396E, LV1035M, LA1832, LC72131,LC72720
71	PE7	DI	Input	LC75396E, LV1035M, LA1832, LC72131,LC72720
72	PF0	DO	Output	LC75396E, LV1035M, LA1832, LC72131,LC72720
73	PF1	VOICE CANCEL	Output	Karaoke function "H": ON
74	PF2	LINE MUT	Output	Line out MUT signal
75	PF3	SYS MUT	Output	Front Amp MUT signal
76	PF4	REAR MUT	Output	Rear Amp MUT signal
77	PF5	CENTER MUT	Output	Center Amp MUT signal
78	PF6	S.W.MUT	Output	Superwoofer Amp MUT signal
79	PF7	POWER	Output	Set power control, ON "H", "OFF"L"
80	PL6	9K/$\overline{10K}$	Input	Span selection 9K "H" 10K "L"
81	PL5	MIC provided/not provided	Input	MIC existence/nonexistence detection Existence "L", Nonexistenece "H"
82	PL4	—	Input	
83	PL0	H/P SW	Input	H. P $\overline{\text{existence/nonexistence detection}}$
84	PL1	AUT provided/not provided	Input	Tuner AUT scan function provided/$\overline{\text{not provided}}$
85	PL2	SRS/$\overline{\text{Q-SOUND}}$	Input	Surround SRS/Q-sound selection
86	PL3	Dolby Pro provided/not provided	Input	Dolby Pro function provided/not provided
87	P30	CD MUT	Output	CD output MUT signal
88	P31	PCCL	Output	CD general-use port control signal
91	P32	CD RES	Output	CD DSP RES signal
92	P33	SL-	Output	CD SLED -signal
93	P34	SL+	Output	CD SLED +signal
94	P35	RWC	Output	CD RWC
95	P00	CAM SW1	Input	CD EH mechanism
96	P01	CAM SW2	Input	CD CAM SW
97	P02	CAM SW3	Input	CD
98	P03	CAM SW4	Input	CD
99	P04	TRY SW1	Input	CD EH mechanism
100	P05	TRY SW2	Input	CD TRY position detection switch

IC501 VHiLC75396N-1:Audio Processor (LC75396N 201)

Pin No.	Terminal Name	Function
1-3	RF1C1-RF1C3	Terminal to connect capacitor of filter configuration for equalizer F1 band Connect the capacitor between LF1C1(RF1C1) and LF1C2(RF1C2) between LF1C2 (RF1C2) and LF1C3(RF1C3).
4-6	RF2C1-RF2C3	Terminal to connect capacitor of filter configuration for equalizer F2 band Connect the capacitor between LF2C1(RF2C1) and LF2C2(RF2C2) between LF2C2 (RF2C2) and LF2C3(RF2C3).
7-9	RF3C1-RF3C3	Terminal to connect capacitor of filter configuration for equalizer F3 band Connect the capacitor between LF3C1(RF3C1) and LF3C2(RF3C2) between LF3C2 (RF3C2) and LF3C3(RF3C3).
10-12	RF4C1-RF4C3	Terminal to connect capacitor of filter configuration for equalizer F4 band Connect the capacitor between LF4C1(RF4C1) and LF4C2(RF4C2) between LF4C2 (RF4C2) and LF4C3(RF4C3).
13	RF5	Terminal to connect capacitor of filter configuration for equalizer F5 band Terminal to connect the externally provided capacitor
14	RTOUT	Equalizer output terminal
15	RFIN	Input terminal of Rch front side 4dB step control
16	RFCOM	Common terminal of Rch front side 1dB step control
17	RFOUT	Output terminal of Rch front side control
18	RRIN	Input terminal of Rch rear side 4dB step control
19	RRCOM	Common terminal of Rch rear side 1dB step control
20	RROUT	Output terminal of Rch rear side control
21	RVREF	Internal analog ground terminal
22	VREF	Connect the capacitor of about several 10 uF between Vref and AVSS (VSS) so as to prevent power supply ripple in the VDD/2 voltage generating section.
23	CL	Terminal to input serial data and clock for control
24	DI	Terminal to input serial data and clock for control
25	CE	Chip enable terminal. Data is written in the internal latch with a timing of changing H to L, and the specific analog switch is actuated. Data transfer is enabled on the H level.
26	VSS	GND
27	LVREF	Internal analog ground terminal
28	LROUT	Output terminal of Lch rear side control
29	LRCOM	Common terminal of Lch rear side 1dB step control
30	LRIN	Input terminal of Lch rear side 4dB step control
31	LFOUT	Output terminal of Lch front side control
32	LFCOM	Common terminal of Lch front side 1dB step control
33	LFIN	Input terminal of Lch front side 4dB step control
34	LTOUT	Equalizer output terminal
35	LF5	Terminal to connect capacitor of filter configuration for equalizer F5 band Terminal to connect the externally provided capacitor
36-38	LF4C3-LF4C1	Terminal to connect capacitor of filter configuration for equalizer F4 band Connect the capacitor between LF4C1(RF4C1) and LF4C2(RF4C2) between LF4C2 (RF4C2) and LF4C3(RF4C3).
39-41	LF3C3-LF3C1	Terminal to connect capacitor of filter configuration for equalizer F3 band Connect the capacitor between LF3C1(RF3C1) and LF3C2(RF3C2) between LF3C2 (RF3C2) and LF3C3(RF3C3).
42-44	LF2C3-LF2C1	Terminal to connect capacitor of filter configuration for equalizer F2 band Connect the capacitor between LF2C1(RF2C1) and LF2C2(RF2C2) between LF2C2 (RF2C2) and LF2C3(RF2C3).
45-47	LF1C3-LF1C1	Terminal to connect capacitor of filter configuration for equalizer F1 band Connect the capacitor between LF1C1(RF1C1) and LF1C2(RF1C2) between LF1C2 (RF1C2) and LF1C3(RF1C3).
48	LTIN	Equalizer input terminal
49	LSELO	Input selector output terminal
50	LINVIN1	Operational amplifier reverse input terminal for input gain setting
51-55	L5-L1	Input signal terminal
56	VDD	Power terminal
57-61	R1-R5	Input signal terminal
62	RINVIN1	Operational amplifier reverse input terminal for input gain setting
63	RSERO	Input selector output terminal
64	RTIN	Equalizer input terminal

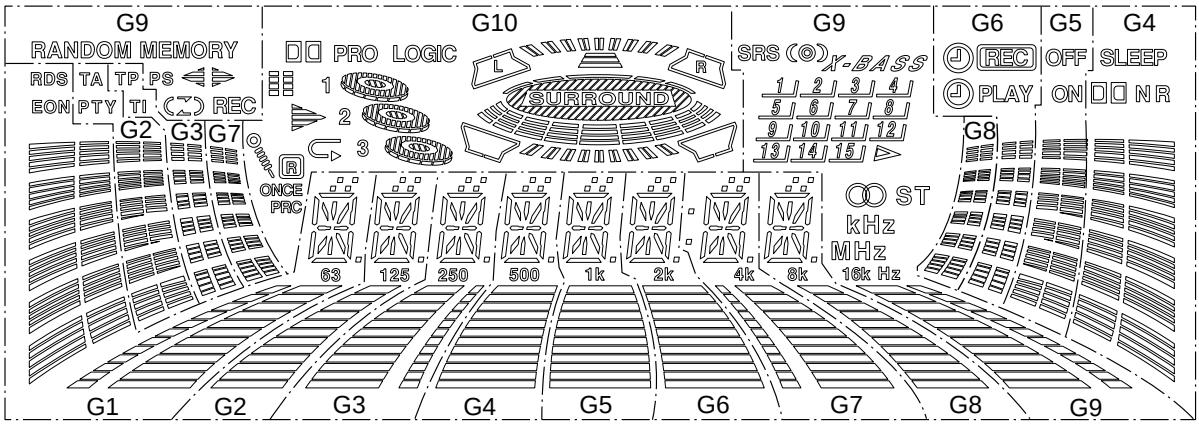
IC701 RH-iX0206AWZZ: FL Driver & Controller (IX0206AW) (1/2)

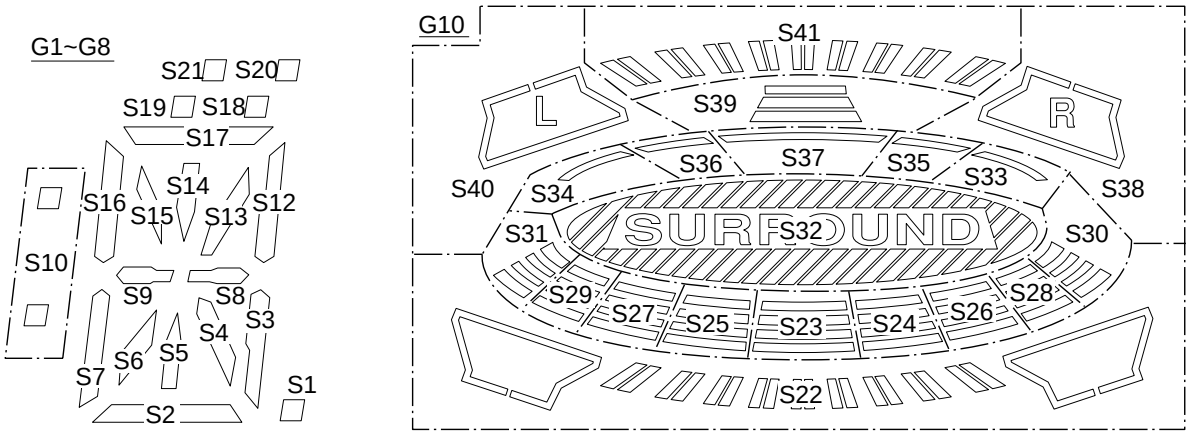
Pin No.	Port Name	Terminal Name	Input/Output	Function
1	P16/BUZZ	DIP_STB	Input	Serial strobe input for system microcomputer
2	P17/PWM0	NC	Output	NC
3	P30	LED17	Output	LED output H: Lights R-play ◀
4	P31	LED18	Output	LED output H: Lights PAUSE
5	P32	LED19	Output	LED output H: Lights DISC1
6	P33	LED20	Output	LED output H: Lights DISC2
7	P34	LED21	Output	LED output H: Lights DISC3
8	P35	LED22	Output	LED output H: Lights #
9	P36	LED23	Output	LED output H: Lights NATURAL
10	P37	LED24	Output	LED output H: Lights b
11	P70/INT0	FL_SET	Input	FL initial setting input
12	RES	DIP_RES	Input	Reset input
13	XT1/P74	VOL_UP	Input	Volume jog input UP
14	XT2/P75	VOL_DOW	Input	Volume jog input DOWN
15	Vss1	Vss	—	GND
16	CF1	CF_IN	Input	Main clock ceramic 4.19 MHz
17	CF2	CF_OUT	Output	Main clock ceramic 4.19 MHz
18	Vdd1	Vdd	—	Normal power supply
19	P80/AN0	DEST	Input	Initial setting input
20	P81/AN1	AU_SET	Input	Audio operation setting input
21	P82/AN2	KEY1	Input	Button input 0 to 9
22	P83/AN3	KEY2	Input	Button input 10 to 18
23	P84/AN4	KEY3	Input	Button input 19 to 27
24	P85/AN5	KEY4	Input	Button input 28 to 36
25	P86/AN6	KEY5	Input	Button input 37 to 45
26	P87/AN7	KEY6	Input	Button input 46 to 54
27	P71/INT1	MAL_UP	Input	Multi-Button jog input UP
28	P72/INT2/T0IN	MAL_DOW	Input	Multi-jog input DOWN
29	P73/INT3/T0IN	REM_IN	Input	Remote controller input
30	S0/T0	G15	Output	Display tube grid drive
31	S1/T1	G14	Output	Display tube grid drive
32	S2/T2	G13	Output	Display tube grid drive
33	S3/T3	G12	Output	Display tube grid drive
34	S4/T4	G12	Output	Display tube grid drive
35	S5/T5	G11	Output	Display tube grid drive
36	S6/T6	G10	Output	Display tube grid drive
37	S7/T7	G9	Output	Display tube grid drive
38	S8/T8	G8	Output	Display tube grid drive
39	S9/T9	G7	Output	Display tube grid drive
40	S10/T10	G6	Output	Display tube grid drive
41	S11/T11	G5	Output	Display tube grid drive
42	S12/T12	G4	Output	Display tube grid drive
43	S13/T13	G3	Output	Display tube grid drive
44	S14/T14	G2	Output	Display tube grid drive
45	S15/T15	G1	Output	Display tube grid drive
46	Vdd3	Vdd-F	—	Normal power supply for display tube drive
47	S16/PC0	S27	Output	Display tube grid drive
48	S17/PC1	S26	Output	Display tube grid drive
49	S18/PC2	S25	Outout	Display tube grid drive
50	S19/PC3	S24	Output	Display tube grid drive
51	VP	VP	—	Negative power supply -30 W for display tube drive

IC701 RH-iX0206AWZZ: FL Driver & Controller (IX0206AW) (2/2)

Pin No.	Port Name	Terminal Name	Input/Output	Function
52	S20/PC4	S23	Output	Display tube segment drive
53	S21/PC5	S22	Output	Display tube segment drive
54	S22/PC6	S21	Output	Display tube segment drive
55	S23/PC7	S20	Output	Display tube segment drive
56	S24/PD0	S19	Output	Display tube segment drive
57	S25/PD1	S18	Output	Display tube segment drive
58	S26/PD2	S17	Output	Display tube segment drive
59	S27/PD3	S16	Output	Display tube segment drive
60	S28/PD4	S15	Output	Display tube segment drive
61	S29/PD5	S14	Output	Display tube segment drive
62	S30/PD6	S13	Output	Display tube segment drive
63	S31/PD7	S12	Output	Display tube segment drive
64	P32/PE0	S11	Output	Display tube segment drive
65	P33/PE1	S10	Output	Display tube segment drive
66	P34/PE2	S9	Output	Display tube segment drive
67	P35/PE3	S8	Output	Display tube segment drive
68	P36/PE4	S7	Output	Display tube segment drive
69	P37/PE5	S6	Output	Display tube segment drive
70	P38/PE6	S5	Output	Display tube segment drive
71	P39/PE7	S4	Output	Display tube segment drive
72	Vdd4	Vdd-F	—	Normal proper supply for display tube drive
73	S40/PF0	S3	Output	Display tube segment drive
74	S41/PF1	S2	Output	Display tube segment drive
75	S42/PF2	S1	Output	Display tube segment drive
76	S43/PF3	—	Output	NC
77	S44/PF4	LED1	Output	LED output H: Lights Not defined
78	S45/PF5	LED2	Output	LED output H: Lights Not defined
79	S46/PF6	LED3	Output	LED output H: Lights F-PLAY ▶
80	S46/PF7	LED4	Output	LED output H: Lights STOP ■
81	S48/PG0	LED5	Output	LED output H: Lights FF ▶▶
82	S49/PG1	LED6	Output	LED output H: Lights REW ◀◀
83	S50/PG2	LED7	Output	LED output H: Lights SRS-G
84	S51/PG3	LED8	Output	LED output H: Lights SRS-R
85	P00	LED9	Output	LED output H: Lights VIRTUAL-G
86	P01	LED10	Output	LED output H: Lights VIRTUAL-R
87	P02	LED11	Output	LED output H: Lights PHANTOM -G
88	P03	LED12	Output	LED output H: Lights PHANTOM -R
89	Vss2	Vss	—	GND
90	Vdd2	Vdd	—	Normal power supply
91	P04	LED13	Output	LED output H: Lights NORMAL -G
92	P05	LED14	Output	LED output H: Lights NORMAL -R
93	P06	LED15	Output	LED output H: Lights STEREO -G
94	P07	LED16	Output	LED output H: Lights STEREO -R
95	P10/S00	DIP_KEY	Output	Serial data output for system microcomputer
96	P11/S10/SB0	DIP_DAT	Input	Serial data input for system microcomputer
97	P12/SCK0	DIP_SCK	Input	Serial clock output for system microcomputer
98	P13/S01	NC	Output	NC
99	P14/SI1/SB1	NC	Output	NC
100	P15/SCK1	NC	Outout	NC

FL701 VVKCK1627M/-1





	G1	G2	G3	G4	G5	G6	G7	G8	G9	G10
S0	S0	S0	S0	S0	S0	S0	S0	S0	S0	
S1	S1	S1	S1	S1	S1	S1	S1	S1	☾	PBC
S2	S2	S2	S2	S2	S2	S2	S2	S2	⏳	ONCE
S3	S3	S3	S3	S3	S3	S3	S3	S3	☽	
S4	S4	S4	S4	S4	S4	S4	S4	S4	REC	R
S5	S5	S5	S5	S5	S5	S5	S5	S5	PS	
S6	S6	S6	S6	S6	S6	S6	S6	S6	◁	
S7	S7	S7	S7	S7	S7	S7	S7	S7	▷	▷
S8	S8	S8	S8	S8	S8	S8	S8	S8	MEMORY	1
S9	S9	S9	S9	S9	S9	S9	S9	S9	RANDOM	2
S10	EON	PTY	TI	NR	ON	PLAY	S10		SRS	3
S11	RDS	TA	TP	SLEEP	OFF	REC				
S12	S12	S12	S12	S12	S12	S12	S12	S12		(1)
S13	S13	S13	S13	S13	S13	S13	S13	S13	X-BASS	(1)
S14	S14	S14	S14	S14	S14	S14	S14	S14	1	(1)
S15	S15	S15	S15	S15	S15	S15	S15	S15	2	(2)
S16	S16	S16	S16	S16	S16	S16	S16	S16	3	(2)
S17	S17	S17	S17	S17	S17	S17	S17	S17	4	(2)
S18	S18	S18	S18	S18	S18	S18	S18	S18	MHz	(3)
S19	S19	S19	S19	S19	S19	S19	S19	S19	kHz	(3)
S20	S20	S20	S20	S20	S20	S20	S20	S20		(3)

	G1	G2	G3	G4	G5	G6	G7	G8	G9	G10
S21	S21	S21	S21	S21	S21	S21	S21	S21	ST	S21
S22	S22	S22	S22	S22	S22	S22	S22	S22	5	S22
S23	S23	S23	S23	S23	S23	S23	S23	S23	▻	S23
S24	S24	S24	S24	S24	S24	S24	S24	S24	15	S24
S25	S25	S25	S25	S25	S25	S25	S25	S25	14	S25
S26	S26	S26	S26	S26	S26	S26	S26	S26	13	S26
S27	S27	S27	S27	S27	S27	S27	S27	S27	12	S27
S28	S28	S28	S28	S28	S28	S28	S28	S28	11	S28
S29	S29	S29	S29	S29	S29	S29	S29	S29	10	S29
S30	S30	S30	S30	S30	S30	S30	S30	S30	9	S30
S31	S31	S31	S31	S31	S31	S31	S31	S31	8	S31
S32	S32	S32	S32	S32	S32	S32	S32	S32	7	S32
S33	S33	S33	S33	S33	S33	S33	S33	S33	6	S33
S34	S34	S34	S34	S34	S34	S34	S34	S34	S34	S34
S35	S35	S35	S35	S35	S35	S35	S35	S35	S35	S35
S36	S36	S36	S36	S36	S36	S36	S36	S36	S36	S36
S37	S37	S37	S37	S37	S37	S37	S37	S37	S37	S37
S38	S38	S38	S38	S38	S38	S38	S38	S38	S38	S38
S39	S39	S39	S39	S39	S39	S39	S39	S39	S39	S39
S40	S40	S40	S40	S40	S40	S40	S40	S40	S40	S40
S41	S41	S41	S41	S41	S41	S41	S41	S41	S41	S41

PIN ASSIGNMENT

Pin No.	1~3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Assignment	F1	NP	NL	H	G10	G9	G8	G7	G6	G5	G4	G3	G2	G1	S0	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15

Pin No.	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62~64
Assignment	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30	S31	S32	S33	S34	S35	S36	S37	S38	S39	S40	S41	D	NL	NP	F2

Figure 55 FL SEGMENT

—– MEMO—–

SHARP PARTS GUIDE

MODEL CD-C1W
CP-C1W

"HOW TO ORDER REPLACEMENT PARTS"

To have your order filled promptly and correctly, please furnish the following information.

1. MODEL NUMBER
2. REF. No.
3. PART NO.
4. DESCRIPTION

★ MARK: SPARE PARTS-DELIVERY SECTION

For U.S.A. only

Contact your nearest SHARP Parts Distributor to order.

For location of SHARP Parts Distributor,
Please call Toll-Free;
1-800-BE-SHARP

Explanation of capacitors/resistors parts codes

Capacitors

VCC ..... Ceramic type
VCK..... Ceramic type
VCT..... Semiconductor type
VC • • MF ..... Cylindrical type (without lead wire)
VC • • MN..... Cylindrical type (without lead wire)
VC • • TV..... Square type (without lead wire)
VC • • TQ ..... Square type (without lead wire)
VC • • CY ..... Square type (without lead wire)
VC • • CZ ..... Square type (without lead wire)
VC • • • • • • • • • J .. The 13th character represents capacity difference.
("J" ±5%, "K" ±10%, "M" ±20%, "N" ±30%,
"C" ±0.25 pF, "D" ±0.5 pF, "Z" +80-20%.)

If there are no indications for the electrolytic capacitors, error is ±20%.

Resistors

VRD ..... Carbon-film type
VRS..... Carbon-film type
VRN ..... Metal-film type
VR • • MF ..... Cylindrical type (without lead wire)
VR • • MN..... Cylindrical type (without lead wire)
VR • • TV..... Square type (without lead wire)
VR • • TQ ..... Square type (without lead wire)
VR • • CY ..... Square type (without lead wire)
VR • • CZ ..... Square type (without lead wire)
VR • • • • • • • • • J .. The 13th character represents error.
("J" ±5%, "F" ±1%, "D" ±0.5%.)

If there are no indications for other parts, the resistors are ±5% carbon-film type.

NOTE:
Parts marked with "⚠" are important for maintaining the safety of the set.
Be sure to replace parts with specified ones for maintaining the safety and performance of the set.

NO.	PART CODE	★	PRICE RANK	DESCRIPTION

CD-C1W

INTEGRATED CIRCUITS

IC1	VHILA9241M/-1	J	AS	Servo Amp.,LA9241M
IC2	VHILC78622K-1	J	AY	Servo/Signal Control,LC78622K
IC3	VHIM56748FP-1	J	AR	Focus/Tracking/Spin/Slide Driver,M56748FP
IC81	VHITA7291S/-1	J	AH	Main Cam Motor Driver, TA7291S
IC82	VHITA7291S/-1	J	AH	Tray Motor Driver, TA7291S
IC101	VHIAN7345K/-1	J	AM	Playback and Record/ Playback Amp.,AN7345K
IC201	RH-IX0210AWZZ	J		System Microcomputer, IX0210AW
IC302	VHILC72131/-1	J	AP	PLL Controller,LC72131
IC303	VHILA1832//-1	J	AR	FM IF Det./FM Mpx./ AM IF, LA1832
IC451	VHISRS5250AS1	J	AZ	SRS,SRS5250AS1
IC452	VHIBU4066BC-1	J	AG	SRS Mode Selector,BU4066BC
IC501	VHILC75396N-1	J	AX	Audio Processor,LC75396N
IC502~504	VHINJM4558MF-	J	AE	Ope Amp.,NJM4558MF
IC701	RH-IX0206AWZZ	J	BA	FL Driver & Controller,IX0206AW
IC901	VHISTK41713-1	J	BM	Power Amp.,STK41713
ICD01	VHIHA12134A-1	J	AM	Dolby NR,HA12134A
ICD03	VHIBA3311L/-1	J	AK	REC./P.B.Equalizer Amp., BA3311L
ICP01	VHINJM4565M-1	J	AC	Buffer Amp.,NJM4565M
ICT01	VHINJM4558MF-	J	AE	Line Amp.,NJM4558MF
ICT01A	VHITA7358AP-1	J	AG	FM Front End,TA7358AP

TRANSISTORS

Q1	VSKTA1266GR-1	J	AB	Silicon,PNP,KTA1266 GR
Q51	VSKRC107M//-1	J	AC	Digital,NPN,KRC107 M
Q52	VSKTC3203Y/-1	J	AC	Silicon,NPN,KTC3203 Y
Q101,102	VSKRC104M//-1	J	AC	Digital,NPN,KRC104 M
Q103~106	VS2SC1845//-1	J		Silicon,NPN,2SC1845
Q107,108	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q109	VSKTA1266GR-1	J	AB	Silicon,PNP,KTA1266 GR
Q110,111	VSKRC104M//-1	J	AC	Digital,NPN,KRC104 M
Q113,114	VSKRC104M//-1	J	AC	Digital,NPN,KRC104 M
Q119	VSKRC104M//-1	J	AC	Digital,NPN,KRC104 M
Q121,122	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q124,125	VSKTA1271Y/-1	J	AC	Silicon,PNP,KTA1271 Y
Q126,127	VSKRC104M//-1	J	AC	Digital,NPN,KRC104 M
Q128	VS2SC2236-Y-1	J	AB	Silicon,NPN,2SC2236 Y
Q139~144	VSKRC104M//-1	J	AC	Digital,NPN,KRC104 M
Q146	VSKRC104M//-1	J	AC	Digital,NPN,KRC104 M
Q147~150	VSKRC107M//-1	J	AC	Digital,NPN,KRC107 M
Q153,154	VSKRC107M//-1	J	AC	Digital,NPN,KRC107 M
Q201	VSKRC102M//-1	J	AC	Digital,NPN,KRC102 M
Q202,203	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q204	VSKTA1266GR-1	J	AB	Silicon,PNP,KTA1266 GR
Q206	VSKRA107M//-1	J	AE	Digital,PNP,KRA107 M
Q306~309	VS2SC2878B/-1	J	AC	Silicon,NPN,2SC2878 B
Q353,354	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q360	VSKTA1266GR-1	J	AB	Silicon,PNP,KTA1266 GR
Q361	VSKRC107M//-1	J	AC	Digital,NPN,KRC107 M
Q362~364	VSKRA107M//-1	J	AE	Digital,PNP,KRA107 M
Q365	VSKRC107M//-1	J	AC	Digital,NPN,KRC107 M
Q451	VSKRA107M//-1	J	AE	Digital,PNP,KRA107 M
Q452	VSKRC107M//-1	J	AC	Digital,NPN,KRC107 M
Q458~460	VSKRC107M//-1	J	AC	Digital,NPN,KRC107 M
Q461	VSKTC3203Y/-1	J	AC	Silicon,NPN,KTC3203 Y
Q463,464	VSKRC107M//-1	J	AC	Digital,NPN,KRC107 M
Q465~467	VS2SK2541//-1	J	AC	FET,2SK2541
Q501,502	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q702~714	VSKTC3875GR-1	J	AB	Silicon,NPN,KTC3875 GR
Q716~723	VSKTA1504Y/-1	J	AB	Silicon,PNP,KTA1504 Y
Q820	VS2SD2012//-1	J	AD	Silicon,NPN,2SD2012
Q821	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q822	VS2SD2012//-1	J	AD	Silicon,NPN,2SD2012
Q823	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q824	VS2SD2012//-1	J	AD	Silicon,NPN,2SD2012
Q825	VS2SD468-C/-1	J	AD	Silicon,NPN,2SD468 C
Q826	VSKRA107M//-1	J	AE	Digital,PNP,KRA107 M
Q827	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q828	VSKRC107M//-1	J	AC	Digital,NPN,KRC107 M
Q851	VS2SB1375//-1	J	AF	Silicon,PNP,2SB1375
Q903,904	VSKTC3200GR-1	J	AC	Silicon,NPN,KTC3200 GR

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
Q905,906	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q994	VSKTA1270Y/-1	J	AD	Silicon,PNP,KTA1270 Y
Q995	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q997~999	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
QD01,02	VS2SC2878A/-1	J	AE	Silicon,NPN,2SC2878 A
QD03	VSKRC107M//-1	J	AC	Digital,NPN,KRC107 M
QD06	VSKRC104M//-1	J	AC	Digital,NPN,KRC104 M
QD07~10	VSKRC107M//-1	J	AC	Digital,NPN,KRC107 M
QM01	VS2SK2541//-1	J	AC	FET,2SK2541
QM02	VSKTA1273Y/-1	J	AE	Silicon,PNP,KTA1273 Y
QM03,04	VSKTA1271Y/-1	J	AC	Silicon,PNP,KTA1271 Y
QM08	VSKRC104M//-1	J	AC	Digital,NPN,KRC104 M
QM20~22	VSKRC104M//-1	J	AC	Digital,NPN,KRC104 M
QP01~04	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
QT01,02	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
QT01A	VS2SC535-C/-1	J	AC	Silicon,NPN,2SC535 C
QT03,04	VSKRA107M//-1	J	AE	Digital,PNP,KRA107 M

DIODES

D1	VHD1SS133//-1	J	AA	Silicon,1SS133
D2~4	VHD1N4004S/-1	J	AB	Silicon,1N4004S
D81,82	VHD1SS133//-1	J	AA	Silicon,1SS133
D101,102	VHD1SS133//-1	J	AA	Silicon,1SS133
D202~206	VHD1SS133//-1	J	AA	Silicon,1SS133
D301~304	VHD1SS133//-1	J	AA	Silicon,1SS133
D305~309	VHD1SS135//-1	J	AB	Silicon,1SS135
D310	VHD1SS133//-1	J	AA	Silicon,1SS133
D311	VHD1SS135//-1	J	AB	Silicon,1SS135
D312~314	VHD1SS133//-1	J	AA	Silicon,1SS133
D315~317	VHD1SS135//-1	J	AB	Silicon,1SS135
D351~353	VHD1SS133//-1	J	AA	Silicon,1SS133
D401~403	VHD1SS133//-1	J	AA	Silicon,1SS133
D501,502	VHD1SS133//-1	J	AA	Silicon,1SS133
D552~557	VHD1SS133//-1	J	AA	Silicon,1SS133
D701	VHD1N4004S/-1	J	AB	Silicon,1N4004S
D702	VHD1SS133//-1	J	AA	Silicon,1SS133
D821,822	VHD1N4004S/-1	J	AB	Silicon,1N4004S
D823	VHD1SS133//-1	J	AA	Silicon,1SS133
D826,827	VHD1SS133//-1	J	AA	Silicon,1SS133
D829	VHD1SS133//-1	J	AA	Silicon,1SS133
⚠ D850	VHDS4VB20//-1	J	AG	Rectifier,S4VB20
⚠ D851	VHDBR102J02-1	J	AM	Silicon,BR102J02
D852~855	VHDRL204F//-1	J	AC	Silicon,RL204F
D858~861	VHD1N4004S/-1	J	AB	Silicon,1N4004S
D870	VHD1SS133//-1	J	AA	Silicon,1SS133
D901,902	VHD1SS133//-1	J	AA	Silicon,1SS133
D905,906	VHD1N5402M/-1	J	AE	Silicon,1N5402M
D907,908	VHD1N4004S/-1	J	AB	Silicon,1N4004S
D909,910	VHD1SS133//-1	J	AA	Silicon,1SS133
D911,912	VHD1SS133//-1	J	AA	Silicon,1SS133
D993	VHD1SS133//-1	J	AA	Silicon,1SS133
D995	VHD1SS133//-1	J	AA	Silicon,1SS133
D996~999	VHD1SS133//-1	J	AA	Silicon,1SS133
DD01,02	VHD1SS133//-1	J	AA	Silicon,1SS133
DM01,02	VHD1SS133//-1	J	AA	Silicon,1SS133
DM03	VHD1SS133//-1	J	AA	Silicon,1SS133
DT01,02	VHD1SS133//-1	J	AA	Silicon,1SS133
DT01A	VHD1SS133//-1	J	AA	Silicon,1SS133
LED701~706	VHP484GT44/-1	J		LED,Green,484GT44
LED707,708	VHP333GTH2/-1	J	AD	LED,Green,333GTH2
LED709	VHP333GTH4/-1	J	AC	LED,Green,333GTH4
LED714,715	VHP333GTH2/-1	J	AD	LED,Green,333GTH2
LED716,717	VHP333GTH4/-1	J	AC	LED,Green,333GTH4
LED718	VHP333GTH2/-1	J	AD	LED,Green,333GTH2
LED721~724	VHPSPR325MV-1	J	AF	LED,Red,SPR325MV
LED725	VHP333GTH2/-1	J	AD	LED,Green,333GTH2
LED726	VHP333GTH4/-1	J	AC	LED,Green,333GTH4
VD301,302	VHCKV1236Z23F	J	AS	Variable Capacitance, KV1236Z23F
VDT1,2	VHCKDV147C/-1	J	AH	Variable Capacitance,KDV147C
ZD61	VHEMTZJ4R7B-1	J	AB	Zener,4.7V,MTZJ4.7B
ZD201	VHEMTZJ3R3A-1	J	AB	Zener,3.3V,MTZJ3.3A
ZD351	VHEMTZJ4R7A-1	J	AA	Zener,4.7V,MTZJ4.7A
ZD352	VHEMTZJ3R9B-1	J	AC	Zener,3.9V,MTZJ3.9B
ZD451,452	VHEMTZJ8R2C-1	J	AB	Zener,8.2V,MTZJ8.2C
ZD550	VHEMTZJ5R6A-1	J	AC	Zener,5.6V,MTZJ5.6A
ZD820	VHEMTZJ130C-1	J	AB	Zener,13V,MTZJ13C
ZD821	VHEMTZJ5R6A-1	J	AC	Zener,5.6V,MTZJ5.6A
ZD822	VHEMTZJ8R2C-1	J	AB	Zener,8.2V,MTZJ8.2C
ZD851	VHEMTZJ300C-1	J	AC	Zener,30V,MTZJ30C
ZD852,853	VHEMTZJ100D-1	J	AA	Zener,10V,MTZJ100D

NO.	PART CODE	★	PRICE RANK	DESCRIPTION
ZD854	VHEMTZJ4R7B-1	J	AB	Zener,4.7V,MTZJ4.7B
ZD901	VHEMTZJ150A-1	J	AA	Zener,15V,MTZJ15A
ZD903,904	VHEMTZJ8R2C-1	J	AB	Zener,8.2V,MTZJ8.2C
ZD998	VHEMTZJ5R1B-1	J	AC	Zener,5.1V,MTZJ5.1B
ZD999	VHEMTZJ6R2B-1	J	AC	Zener,6.2V,MTZJ6.2B

FILTERS

BFT01	92LFILTF1759AT	J	AD	FM Band Pass Filter
CF302	RFILF0124AFZZ	J	AD	FM IF,10.7 MHz
CF351	RFILF0003AWZZ	J	AK	FM IF
CF352	RFILA0009AWZZ	J	AE	AM IF

TRANSFORMERS

T302	RCILA1064AFZZ	J	AD	MW Antenna
T303	92LCOILA-1586B	J	AF	SW1 Antenna
T304	RCILA0014AWZZ	J	AE	SW2 Antenna
T306	RCILB1074AFZZ	J	AC	MW Oscillation
T307	RCILB0015AWZZ	J	AD	SW1 Oscillation
T308	RCILB0014AWZZ	J	AD	SW2 Oscillation
T351	RCILI0011AWZZ	J	AD	AM IF
⚠T851	RTRNP0182AWZZ	J	BP	Power
TT01	RCILI0007AWZZ	J	AD	FM IF

COILS

L61	VP-XH2R2K0000	J	AB	2.2 µH,Choke
L102,103	RCILC0094AFZZ	J	AD	6.8 mH
L104	VP-MK331K0000	J	AB	330 µH,Choke
L201	VP-DH2R2M0000	J	AB	2.2 µH,Choke
L251,252	RCILL0105AFZZ	J	AE	MPX. Filter
L311	VP-YF561K0000	J	AD	560 µH
L351,352	VP-DH101K0000	J	AB	100 µH,Choke
L353	VP-DH102K0000	J	AB	1 mH,Choke
L356	VP-YF102J0000	J	AC	1 mH
L357	VP-YF472J0000	J	AC	4.7 mH
L358	VP-YF561K0000	J	AD	560 µH
L701	VP-CH2R2M0000	J	AB	2.2 µH
L851	VP-DH101K0000	J	AB	100 µH,Choke
L901,902	RCILZ0137AFZZ	J	AA	0.29 µH
L903	VP-XH2R2K0000	J	AB	2.2 µH,Choke
LD1~4	RCILC0094AFZZ	J	AD	6.8 mH
LT1	RCILR0029AWZZ	J	AA	FM RF
LT2	RCILB0045AWZZ	J	AD	FM Oscillation

VARIABLE RESISTORS

VR101	92LVRS223NBMT	J	AC	22 kohms (B),Semi-VR [L-CH Bias Current]
VR102	92LVRS223NBMT	J	AC	22 kohms (B),Semi-VR [R-CH Bias Current]
VR151	92LVR-S473NB-M	J	AC	47 kohms (B),Semi-VR [L-CH Rec/Play Sens.]
VR152	92LVR-S473NB-M	J	AC	47 kohms (B),Semi-VR [R-CH Rec/Play Sens.]
VR351	RVR-M0999AFZZ	J	AB	10 kohm (B),Semi-VR [FM Mute Level]
VRD01	92LVRS223NBMT	J	AC	22 kohms (B),Semi-VR [Tape 1 Play L-CH Sens.]
VRD02	92LVRS223NBMT	J	AC	22 kohms (B),Semi-VR [Tape 1 Play R-CH Sens.]
VRD03	92LVRS223NBMT	J	AC	22 kohms (B),Semi-VR [Tape 2 Play L-CH Sens.]
VRD04	92LVRS223NBMT	J	AC	22 kohms (B),Semi-VR [Tape 2 Play R-CH Sens.]
VRM01	RVR-M0993AFZZ	J	AB	1 kohm (B),Semi-VR [Tape Speed]

VARIABLE CAPACITOR

TC302~305	92LTO-1527AT	J	AF	Trimmer,20pF

VIBRATORS

X201	RCRSP0003AWZZ	J	AH	Crystal,4.19MHz
X351	92LCRSTL1425A	J	AF	Crystal,456 kHz
X352	RCRSP0002AWZZ	J	AH	Crystal,4.5 MHz
X701	RCRM-0147AFZZ	J	AD	Ceramic,4.19 MHz
XL1	RCRM-0008AWZZ	J	AF	Ceramic,16.93 MHz

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION

CAPACITORS

C1	RC-GZA476AF1A	J	AB	47 µF,10V,Electrolytic
C2	VCTYMN1CY103K	J	AA	0.01 µF,16V
C3	RC-GZA105AF1H	J	AB	1 µF,50V,Electrolytic
C4	RC-GZA104AF1H	J	AB	0.1 µF,50V,Electrolytic
C5,6	VCTYPA1CX333K	J	AA	0.033 µF,16V
C7	RC-GZA104AF1H	J	AB	0.1 µF,50V,Electrolytic
C8	VCTYPA1CX683K	J	AA	0.068 µF,16V
C9	VCTYPA1CX473K	J	AA	0.047 µF,16V
C10	VCKYMN1HB181K	J	AA	180 pF,50V
C11,12	VCTYPA1CX104K	J	AB	0.1 µF,16V
C13	VCKYMN1HB331K	J	AA	330 pF,50V
C14	VCTYMN1CY103K	J	AA	0.01 µF,16V
C16	VCTYMN1CX472K	J	AA	0.0047 µF,16V
C17	VCKYMN1HB102K	J	AA	0.001 µF,50V
C18	RC-GZA474AF1H	J	AA	0.47 µF,50V,Electrolytic
C19	RC-GZA105AF1H	J	AB	1 µF,50V,Electrolytic
C20	RC-GZA476AF1A	J	AB	47 µF,10V,Electrolytic
C21	VCTYMN1CX332K	J	AA	0.0033 µF,16V
C22	VCCSPA1HL221J	J	AA	220 pF,50V
C23	VCTYMN1CX272K	J	AA	0.0027 µF,16V
C24	VCCSMN1HL2R2C	J	AB	2.2 pF,50V
C25	VCCSMN1HL270J	J	AA	27 pF,50V
C26	VCTYPA1CX333K	J	AA	0.033 µF,16V
C27	VCKYMN1HB102K	J	AA	0.001 µF,50V
C28	VCTYPA1CX104K	J	AB	0.1 µF,16V
C29	RC-GZA475AF1E	J	AB	4.7 µF,25V,Electrolytic
C30	RC-GZA104AF1H	J	AB	0.1 µF,50V,Electrolytic
C31	RC-GZA227AF0J	J	AB	220 µF,6.3V,Electrolytic
C32	VCTYMN1CY103K	J	AA	0.01 µF,16V
C33	RC-GZA474AF1H	J	AA	0.47 µF,50V,Electrolytic
C34	RC-GZA334AF1H	J	AA	0.33 µF,50V,Electrolytic
C35	RC-GZA105AF1H	J	AB	1 µF,50V,Electrolytic
C36	RC-GZA107AF1A	J	AB	100 µF,10V,Electrolytic
C37	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C38	VCTYMN1CY103K	J	AA	0.01 µF,16V
C39	VCTYPA1CX473K	J	AA	0.047 µF,16V
C40	VCTYPU1CX473K	J	AA	0.047 µF,16V
C43	RC-GZA107AF1A	J	AB	100 µF,10V,Electrolytic
C44~49	VCKYMN1HB101K	J	AA	100 pF,50V
C51,52	RC-GZA107AF1A	J	AB	100 µF,10V,Electrolytic
C53	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C54	VCKYMN1HB102K	J	AA	0.001 µF,50V
C55	RC-GZA335AF1C	J	AB	3.3 µF,16V,Electrolytic
C56	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C57	VCKYMN1HB102K	J	AA	0.001 µF,50V
C71,72	RC-GZA106AF1C	J	AB	10 µF,16V,Electrolytic
C73,74	VCKYMN1HB221K	J	AA	220 pF,50V
C80	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C81,82	RC-GZA476AF1E	J	AB	47 µF,25V,Electrolytic
C83	VCKYMN1HB102K	J	AA	0.001 µF,50V
C85	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C86,87	RC-GZA476AF1E	J	AB	47 µF,25V,Electrolytic
C101,102	VCKYMN1HB471K	J	AA	470 pF,50V
C103~106	VCKYMN1HB331K	J	AA	330 pF,50V
C107,108	VCKYMN1HB821K	J	AA	820 pF,50V
C109	VCKYPA1HF223Z	J	AB	0.022 µF,50V
C111~114	VCKYMN1HB331K	J	AA	330 pF,50V
C115,116	RC-GZA476AF1E	J	AB	47 µF,25V,Electrolytic
C117,118	VCTYPA1CX333K	J	AA	0.033 µF,16V
C119,120	VCKYMN1HB561K	J	AA	560 pF,50V
C121,122	RC-GZA105AF1H	J	AB	1 µF,50V,Electrolytic
C123~126	VCTYPA1EX822K	J	AA	0.0082 µF,25V
C127	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C128	RC-GZA335AF1H	J	AB	3.3 µF,50V,Electrolytic
C130	VCKYMN1HB471K	J	AA	470 pF,50V
C131,132	VCKYMN1HB271K	J	AA	270 pF,50V
C133,134	RC-GZA106AF1C	J	AB	10 µF,16V,Electrolytic
C139,140	VCTYMN1CX332K	J	AA	0.0033 µF,16V
C141,142	RC-GZA476AF1E	J	AB	47 µF,25V,Electrolytic
C145	RC-GZA226AF1E	J	AB	22 µF,25V,Electrolytic
C146	RC-GZA227AF1A	J	AB	220 µF,10V,Electrolytic
C147	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C148	RC-GZA107AF1C	J	AB	100 µF,16V,Electrolytic
C150	VCQPKA2AA822J	J	AA	0.0082 µF,100V,Polypropylene
C151	RC-QZA393AFYJ	J	AB	0.039 µF,50V,Mylar
C152	RC-GZA476AF1E	J	AB	47 µF,25V,Electrolytic
C162	RC-QZA473AFYJ	J	AB	0.047 µF,50V,Mylar
C167,168	VCTYPA1CY822K	J		8200 pF,16V
C169	VCTYPA1EX682K	J	AA	0.0068 µF,25V
C175~178	VCTYPA1EX682K	J	AA	0.0068 µF,25V

CD-C1W, CP-C1W

NO.	PART CODE	★	PRICE RANK	DESCRIPTION
C179,180	VCTYPA1EX822K	J	AA	0.0082 µF,25V
C181,182	RC-GZA104AF1H	J	AB	0.1 µF,50V,Electrolytic
C201	RC-GZA477AF1A	J	AC	470 µF,10V,Electrolytic
C202	VCTYMN1CY103K	J	AA	0.01 µF,16V
C203	RC-GZA335AF1H	J	AB	3.3 µF,50V,Electrolytic
C204	VCTYMN1CY103K	J	AA	0.01 µF,16V
C205,206	VCCCMN1HH150J	J	AA	15 pF (CH),50V
C207	RC-GZA226AF1E	J	AB	22 µF,25V,Electrolytic
C208	VCTYBT1EF223Z	J	AA	0.022 µF,25V
C251,252	VCTYMN1CX332K	J	AA	0.0033 µF,16V
C256	VCKYPA1HF223Z	J	AB	0.022 µF,50V
C257	RC-GZA476AF1E	J	AB	47 µF,25V,Electrolytic
C301	VCKYMN1HB102K	J	AA	0.001 µF,50V
C303,304	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C305	VCKZPA1HF473Z	J	AA	0.047 µF,50V
C306	VCCUMN1HJ100J	J	AA	10 pF (UJ),50V
C307	VCKZPA1HF473Z	J	AA	0.047 µF,50V
C308	VCCUMN1HJ8R2D	J	AA	8.2 pF (UJ),50V
C309	VCKYMN1HB331K	J	AA	330 pF,50V
C310	VCKYMN1HB102K	J	AA	0.001 µF,50V
C311~314	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C315,316	VCTYPA1CX104K	J	AB	0.1 µF,16V
C318,319	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C320	VCTYMN1CX182K	J	AA	0.0018 µF,16V
C321	VCTYMN1CX392K	J	AA	0.0039 µF,16V
C330	VCCUMN1HJ8R2D	J	AA	8.2 pF (UJ),50V
C331	VCKZPA1HF473Z	J	AA	0.047 µF,50V
C334	VCCUMN1HJ180J	J	AA	18 pF (UJ),50V
C335	VCCCMN1HH180J	J	AA	18 pF (CH),50V
C336	VCKYMN1HB471K	J	AA	470 pF,50V
C338	VCKYMN1HB102K	J	AA	0.001 µF,50V
C342	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C343	VCCCMN1HH150J	J	AA	15 pF (CH),50V
C349	RC-GZA105AF1H	J	AB	1 µF,50V,Electrolytic
C350,351	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C352	RC-GZA106AF1C	J	AB	10 µF,16V,Electrolytic
C353,354	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C355	VCCSMN1HL220J	J	AA	22 pF,50V
C356	VCKYMN1HB102K	J	AA	0.001 µF,50V
C357	RC-GZA225AF1H	J	AB	2.2 µF,50V,Electrolytic
C358	RC-GZA105AF1H	J	AB	1 µF,50V,Electrolytic
C360,361	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C362	RC-GZA335AF1H	J	AB	3.3 µF,50V,Electrolytic
C363	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C364	RC-GZA106AF1C	J	AB	10 µF,16V,Electrolytic
C365	VCTYMN0JY223N	J	AA	0.022 µF,6.3V
C366	VCKYMN1HB102K	J	AA	0.001 µF,50V
C367,368	RC-GZA105AF1H	J	AB	1 µF,50V,Electrolytic
C370~372	RC-GZA105AF1H	J	AB	1 µF,50V,Electrolytic
C373,374	VCTYPA1CX223K	J	AA	0.022 µF,16V
C375	RC-GZA335AF1H	J	AB	3.3 µF,50V,Electrolytic
C376	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C380	RC-GZA105AF1H	J	AB	1 µF,50V,Electrolytic
C381	VCCCMN1HH120J	J	AA	12 pF (CH),50V
C382	VCCCMN1HH150J	J	AA	15 pF (CH),50V
C383	VCTYBT1CX222M	J	AA	0.0022 µF,16V
C384	VCKYBT1HB102K	J	AA	0.001 µF,50V
C385	VCTYMN1CY103K	J	AA	0.01 µF,16V
C386	VCKYMN1HB331K	J	AA	330 pF,50V
C387	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C390	VCKYMN1HB101K	J	AA	100 pF,50V
C391	RC-GZA476AF1C	J	AB	47 µF,16V,Electrolytic
C392	VCKYMN1HB102K	J	AA	0.001 µF,50V
C393	RC-GZA225AF1H	J	AB	2.2 µF,50V,Electrolytic
C394	RC-GZA476AF1C	J	AB	47 µF,16V,Electrolytic
C395	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C396	RC-GZA107AF1A	J	AB	100 µF,10V,Electrolytic
C397	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C398	RC-GZA107AF1A	J	AB	100 µF,10V,Electrolytic
C399	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C453,454	RC-GZA225AF1H	J	AB	2.2 µF,50V,Electrolytic
C456,457	RC-GZA107AF1C	J	AB	100 µF,16V,Electrolytic
C458	RC-QZA473AFYJ	J	AB	0.047 µF,50V,Mylar
C460	RC-GZA474AF1H	J	AA	0.47 µF,50V,Electrolytic
C461	VCTYMN1CX472K	J	AA	0.0047 µF,16V
C471	RC-GZA107AF1C	J	AB	100 µF,16V,Electrolytic
C472	RC-GZA334AF1H	J	AA	0.33 µF,50V,Electrolytic
C481~484	RC-GZA225AF1H	J	AB	2.2 µF,50V,Electrolytic
C485	RC-GZA476AF1E	J	AB	47 µF,25V,Electrolytic
C486	VCKYPA1HF223Z	J	AB	0.022 µF,50V
C487	RC-GZA476AF1E	J	AB	47 µF,25V,Electrolytic
C488	VCTYMN1EF223Z	J	AA	0.022 µF,25V

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
C501~508	RC-GZA225AF1H	J	AB	2.2 µF,50V,Electrolytic
C509,510	RC-GZA106AF1H	J	AB	10 µF,50V,Electrolytic
C511,512	VCKYMN1HB101K	J	AA	100 pF,50V
C515,516	RC-GZA474AF1H	J	AA	0.47 µF,50V,Electrolytic
C517,518	RC-QZA184AFYJ	J	AC	0.18 µF,50V,Mylar
C521,522	RC-GZA224AF1H	J	AA	0.22 µF,50V,Electrolytic
C523,524	RC-QZA124AFYJ	J	AC	0.12 µF,50V,Mylar
C525,526	RC-GZA224AF1H	J	AA	0.22 µF,50V,Electrolytic
C527,528	RC-QZA273AFYJ	J	AB	0.027 µF,50V,Mylar
C529,530	RC-QZA153AFYJ	J	AB	0.015 µF,50V,Mylar
C531,532	RC-QZA222AFYJ	J	AB	0.0022 µF,50V,Mylar
C533,534	RC-QZA472AFYJ	J	AA	0.0047 µF,50V,Mylar
C535,536	RC-GZA225AF1H	J	AB	2.2 µF,50V,Electrolytic
C539~542	RC-GZA106AF1H	J	AB	10 µF,50V,Electrolytic
C543	RC-GZA476AF1C	J	AB	47 µF,16V,Electrolytic
C545,546	RC-GZA105AF1H	J	AB	1 µF,50V,Electrolytic
C547,548	RC-GZA475AF1H	J	AB	4.7 µF,50V,Electrolytic
C549,550	RC-GZA105AF1H	J	AB	1 µF,50V,Electrolytic
C551,552	RC-GZA106AF1H	J	AB	10 µF,50V,Electrolytic
C553,554	RC-GZA105AF1H	J	AB	1 µF,50V,Electrolytic
C555,556	RC-GZA476AF1C	J	AB	47 µF,16V,Electrolytic
C557~559	RC-GZA225AF1H	J	AB	2.2 µF,50V,Electrolytic
C560	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C561,562	VCTYMN1CX682K	J	AA	0.0068 µF,16V
C563,564	VCTYMN1CY822K	J	AA	0.0082 µF,16V
C565,566	VCTYMN1CX272K	J	AA	0.0027 µF,16V
C567,568	RC-GZA225AF1H	J	AB	2.2 µF,50V,Electrolytic
C569,570	VCKYMN1HB681K	J	AA	680 pF,50V
C571,572	VCKYMN1HB271K	J	AA	270 pF,50V
C573,574	RC-GZA225AF1H	J	AB	2.2 µF,50V,Electrolytic
C575~578	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C579	RC-GZA107AF1C	J	AB	100 µF,16V,Electrolytic
C581,582	RC-GZA106AF1H	J	AB	10 µF,50V,Electrolytic
C701	VCTYBT1EF223Z	J	AA	0.022 µF,25V
C702	RC-GZA227AF1A	J	AB	220 µF,10V,Electrolytic
C705~708	VCKYTV1HB102K	J	AA	0.001 µF,50V
C709	VCCSTV1HL151J	J	AA	150 pF,50V
C710	RC-GZA227AF0J	J	AB	220 µF,6.3V,Electrolytic
C711	VCKZPA1HF223Z	J	AA	0.022 µF,50V
C715~718	VCKYBT1HB151K	J	AA	150 pF,50V
C728~730	RC-GZA105AF1H	J	AB	1 µF,50V,Electrolytic
C732~741	VCCSTV1HL221J	J	AA	220 pF,50V
C820	VCTYBT1EF223Z	J	AA	0.022 µF,25V
C821,822	RC-GZA476AF1E	J	AB	47 µF,25V,Electrolytic
C823	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C824	RC-GZA476AF1E	J	AB	47 µF,25V,Electrolytic
C825	RC-GZA227AF1E	J	AB	220 µF,25V,Electrolytic
C826	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C827	RC-GZA476AF1E	J	AB	47 µF,25V,Electrolytic
C830	RC-GZW478AF1E	J	AG	4700 µF,25V,Electrolytic
C831	VCKYPA1HF223Z	J	AB	0.022 µF,50V
C832	RC-GZA226AF1E	J	AB	22 µF,25V,Electrolytic
C833	RC-GZA476AF1E	J	AB	47 µF,25V,Electrolytic
C851~854	RC-QZA473AFYJ	J	AB	0.047 µF,50V,Mylar
C855,856	RC-GZA476AF1H	J	AB	47 µF,50V,Electrolytic
C857	RC-GZA107AF1V	J	AB	100 µF,35V,Electrolytic
C858	RC-GZV227AF1H	J	AC	220 µF,50V,Electrolytic
C859	RC-GZV227AF1J	J	AD	220 µF,63V,Electrolytic
C860	RC-GZV227AF1H	J	AC	220 µF,50V,Electrolytic
C861	RC-GZA476AF1J	J	AC	47 µF,63V,Electrolytic
C865~868	RC-QZA473AFYJ	J	AB	0.047 µF,50V,Mylar
C907,908	RC-GZA225AF1H	J	AB	2.2 µF,50V,Electrolytic
C909,910	VCKYPA1HB471K	J	AA	470 pF,50V
C911,912	VCCSPA1HL470J	J	AA	47 pF,50V
C913,914	VCCSPA1HL150J	J	AA	15 pF,50V
C917,918	VCKYPA1HF223Z	J	AB	0.022 µF,50V
C921~924	RC-QZA104AFYJ	J	AC	0.1 µF,50V,Mylar
C935,936	RC-GZA476AF1H	J	AB	47 µF,50V,Electrolytic
C937,938	VCCSPA1HL101J	J	AA	100 pF,50V
C970	RC-GZA476AF1E	J	AB	47 µF,25V,Electrolytic
C983,984	RC-GZA106AF1H	J	AB	10 µF,50V,Electrolytic
C985,986	RC-EZ1678AFZZ	J	AG	4700 µF,35V,Electrolytic
C988	RC-GZA106AF1H	J	AB	10 µF,50V,Electrolytic
C989	RC-GZA227AF1E	J	AB	220 µF,25V,Electrolytic
C990	VCKYPA1HF223Z	J	AB	0.022 µF,50V
C991,992	RC-GZV476AF2A	J	AC	47 µF,100V,Electrolytic
C994	RC-GZA107AF1H	J	AC	100 µF,50V,Electrolytic
C995,996	RC-EZ1677AFZZ	J	AL	3300 µF,71V,Electrolytic
C997	RC-GZA476AF1H	J	AB	47 µF,50V,Electrolytic
CD01,02	RC-GZA105AF1H	J	AB	1 µF,50V,Electrolytic
CD03,04	VCKYBT1HB471K	J	AA	470 pF,50V
CD05~08	VCKYBT1HB331K	J	AA	330 pF,50V

NO.	PART CODE	★	PRICE RANK	DESCRIPTION
CD9~11	RC-GZA105AF1H	J	AB	1 µF,50V,Electrolytic
CD12,13	RC-GZA224AF1H	J	AA	0.22 µF,50V,Electrolytic
CD14~18	RC-GZA106AF1C	J	AB	10 µF,16V,Electrolytic
CD19,20	VCKYBT1HB151K	J	AA	150 pF,50V
CD21	RC-GZA476AF1E	J	AB	47 µF,25V,Electrolytic
CD31,32	RC-GZA225AF1H	J	AB	2.2 µF,50V,Electrolytic
CD33,34	VCKYBT1HB151K	J	AA	150 pF,50V
CD35,36	RC-GZA107AF1A	J	AB	100 µF,10V,Electrolytic
CD37,38	RC-GZA106AF1C	J	AB	10 µF,16V,Electrolytic
CD39,40	RC-GZA104AF1H	J	AB	0.1 µF,50V,Electrolytic
CD41,42	RC-GZA226AF1E	J	AB	22 µF,25V,Electrolytic
CD43,44	VCTYPA1CX223K	J	AA	0.022 µF,16V
CD45	RC-GZA476AF1E	J	AB	47 µF,25V,Electrolytic
CD46	RC-GZA106AF1H	J	AB	10 µF,50V,Electrolytic
CD51,52	RC-GZA105AF1H	J	AB	1 µF,50V,Electrolytic
CM01	RC-GZA476AF1E	J	AB	47 µF,25V,Electrolytic
CM02	RC-GZA336AF1C	J	AB	33 µF,16V,Electrolytic
CP01,02	RC-GZA225AF1H	J	AB	2.2 µF,50V,Electrolytic
CP07,08	VCFYDA1HA124J	J	AB	0.12 µF,50V,Polyester
CP09,10	VCFYDA1HA334J	J	AC	0.33 µF,50V,Polyester
CP11,12	VCKYMN1HB101K	J	AA	100 pF,50V
CP13,14	RC-GZA106AF1C	J	AB	10 µF,16V,Electrolytic
CP15,16	VCKYMN1HB102K	J	AA	0.001 µF,50V
CP17	RC-QZA473AFYJ	J	AB	0.047 µF,50V,Mylar
CP18	RC-GZA476AF1E	J	AB	47 µF,25V,Electrolytic
CT01	VCCCMN1HH180J	J	AA	18 pF (CH),50V
CT02	VCTYMN1CY103K	J	AA	0.01 µF,16V
CT03,04	VCKYMN1HB391K	J	AA	390 pF,50V
CT03A	VCCSMN1HL4R7C	J	AA	4.7 pF,50V
CT04A	VCKYMN1HB102K	J	AA	0.001 µF,50V
CT05	VCKYPA1HF223Z	J	AB	0.022 µF,50V
CT05A	VCCUMN1HJ6R8D	J	AB	6.8 pF (UJ),50V
CT06	VCTYMN1EF223Z	J	AA	0.022 µF,25V
CT07,08	VCKYMN1HB331K	J	AA	330 pF,50V
CT07A	VCKYMN1HB102K	J	AA	0.001 µF,50V
CT08A,09A	VCTYMN1CX472K	J	AA	0.0047 µF,16V
CT09,10	RC-GZA225AF1H	J	AB	2.2 µF,50V,Electrolytic
CT10A	VCTYMN1EF223Z	J	AA	0.022 µF,25V
CT11~14	VCCSMN1HL470J	J	AA	47 pF,50V
CT11A	VCCCMN1HH150J	J	AA	15 pF (CH),50V
CT12A	VCCSMN1HL330J	J	AA	33 pF,50V
CT13A	VCCUMN1HJ3R9K	J	AA	3.9 pF (UJ),50V
CT14A	VCCCMN1HH220J	J	AA	22 pF (CH),50V
CT15,16	VCTYMN1EF223Z	J	AA	0.022 µF,25V
CT15A	VCTYMN1EF223Z	J	AA	0.022 µF,25V
CT16A	RC-GZA106AF1C	J	AB	10 µF,16V,Electrolytic
CT17,18	RC-GZA225AF1H	J	AB	2.2 µF,50V,Electrolytic
CT19	RC-GZA475AF1H	J	AB	4.7 µF,50V,Electrolytic

RESISTORS

	VRD-MN2BD000C	J	AA	0 ohm,Jumper,ø1.4×3.5mm,Ivory
	VRS-TV2AB000J	J	AA	0 ohm,Jumper,1.25×2mm,Green
R1	VRD-MN2BD100J	J	AA	10 ohm,1/8W
R2	VRD-MN2BD683J	J	AA	68 kohms,1/8W
R3,4	VRD-MN2BD823J	J	AA	82 kohms,1/8W
R5	VRD-MN2BD683J	J	AA	68 kohms,1/8W
R6,7	VRD-MN2BD823J	J	AA	82 kohms,1/8W
R8	VRD-MN2BD153J	J	AA	15 kohms,1/8W
R9	VRD-MN2BD104J	J	AA	100 kohm,1/8W
R10	VRD-MN2BD222J	J	AA	2.2 kohms,1/8W
R11	VRD-ST2CD682J	J	AA	6.8 kohms,1/6W
R12	VRD-MN2BD101J	J	AA	100 ohm,1/8W
R13	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R14	VRD-MN2BD273J	J	AA	27 kohms,1/8W
R15	VRD-MN2BD123J	J	AA	12 kohms,1/8W
R16	VRD-MN2BD332J	J	AA	3.3 kohms,1/8W
R17	VRD-MN2BD333J	J	AA	33 kohms,1/8W
R18	VRD-MN2BD153J	J	AA	15 kohms,1/8W
R19,20	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R21,22	VRD-MN2BD223J	J	AA	22 kohms,1/8W
R23	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R24	VRD-MN2BD473J	J	AA	47 kohms,1/8W
R25	VRD-MN2BD152J	J	AA	1.5 kohms,1/8W
R26	VRD-MN2BD823J	J	AA	82 kohms,1/8W
R27	VRD-MN2BD393J	J	AA	39 kohms,1/8W
R28	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R29	VRD-MN2BD563J	J	AA	56 kohms,1/8W
R30	VRD-MN2BD682J	J	AA	6.8 kohms,1/8W
R31	VRD-MN2BD122J	J	AA	1.2 kohms,1/8W
R32	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R33	VRD-MN2BD122J	J	AA	1.2 kohms,1/8W

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
R34	VRD-MN2BD223J	J	AA	22 kohms,1/8W
R35,36	VRD-MN2BD224J	J	AA	220 kohms,1/8W
R37	VRD-ST2CD823J	J	AA	82 kohms,1/6W
R38	VRD-MN2BD471J	J	AA	470 ohms,1/8W
R39	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R40	VRD-MN2BD562J	J	AA	5.6 kohms,1/8W
R41,42	VRD-MN2BD473J	J	AA	47 kohms,1/8W
R43	VRD-MN2BD563J	J	AA	56 kohms,1/8W
R44	VRD-MN2BD333J	J	AA	33 kohms,1/8W
R45	VRD-MN2BD472J	J	AA	4.7 kohms,1/8W
R46	VRD-MN2BD561J	J	AA	560 ohms,1/8W
R47	VRD-MN2BD104J	J	AA	100 kohm,1/8W
R48	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R49	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R50	VRD-MN2BD681J	J	AA	680 ohms,1/8W
R51	VRD-ST2CD335J	J	AA	3.3 Mohms,1/6W
R52	VRD-MN2BD273J	J	AA	27 kohms,1/8W
R53	VRD-MN2BD122J	J	AA	1.2 kohms,1/8W
R55	VRD-MN2BD151J	J	AA	150 ohms,1/8W
R56,57	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R58,59	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R60~62	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R63	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R64	VRD-MN2BD220J	J	AA	22 ohms,1/8W
R66	VRD-MN2BD331J	J	AA	330 ohms,1/8W
R71,72	VRD-MN2BD272J	J	AA	2.7 kohms,1/8W
R73,74	VRD-MN2BD390J	J	AA	39 ohms,1/8W
R80	VRD-MN2BD392J	J	AA	3.9 kohms,1/8W
R81	VRD-MN2BD272J	J	AA	2.7 kohms,1/8W
R82	VRD-MN2BD105J	J	AA	1 Mohm,1/8W
R83,84	VRD-ST2EE1R0J	J	AA	1 ohm,1/4W
R85	VRD-MN2BD272J	J	AA	2.7 kohms,1/8W
R86	VRD-MN2BD822J	J	AA	8.2 kohms,1/8W
R87	VRD-MN2BD332J	J	AA	3.3 kohms,1/8W
R88~92	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R101,102	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R103,104	VRD-MN2BD222J	J	AA	2.2 kohms,1/8W
R105,106	VRD-MN2BD332J	J	AA	3.3 kohms,1/8W
R107,108	VRD-MN2BD104J	J	AA	100 kohm,1/8W
R109	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R110	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R111,112	VRD-ST2CD153J	J	AA	15 kohms,1/6W
R113	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R114,115	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R117,118	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R119,120	VRD-ST2CD560J	J	AA	56 ohms,1/6W
R121,122	VRD-MN2BD104J	J	AA	100 kohm,1/8W
R123,124	VRD-MN2BD392J	J	AA	3.9 kohms,1/8W
R125	VRD-ST2CD562J	J	AA	5.6 kohms,1/6W
R126,127	VRD-MN2BD562J	J	AA	5.6 kohms,1/8W
R128	VRD-ST2CD562J	J	AA	5.6 kohms,1/6W
R129,130	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R131,132	VRD-MN2BD224J	J	AA	220 kohms,1/8W
R133	VRD-ST2CD223J	J	AA	22 kohms,1/6W
R134	VRD-MN2BD683J	J	AA	68 kohms,1/8W
R135,136	VRD-ST2CD332J	J	AA	3.3 kohms,1/6W
R137,138	VRD-ST2CD682J	J	AA	6.8 kohms,1/6W
R139,140	VRD-MN2BD101J	J	AA	100 ohm,1/8W
R141	VRD-ST2CD1R0J	J	AA	1 ohm,1/6W
R145	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R148	VRD-ST2EE221J	J	AA	220 ohms,1/4W
R149	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R150	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R152	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R153,154	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R155,156	VRD-MN2BD183J	J	AA	18 kohms,1/8W
R157	VRD-MN2BD472J	J	AA	4.7 kohms,1/8W
R158	VRD-ST2EE221J	J	AA	220 ohms,1/4W
R160,161	VRD-ST2CD221J	J	AA	220 ohms,1/6W
R162,163	VRD-ST2CD104J	J	AA	100 kohm,1/6W
R164,165	VRD-MN2BD472J	J	AA	4.7 kohms,1/8W
R166	VRD-ST2CD223J	J	AA	22 kohms,1/6W
R167	VRD-MN2BD473J	J	AA	47 kohms,1/8W
R168	VRD-MN2BD4R7J	J	AA	4.7 ohms,1/8W
R169	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R172	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R173,174	VRD-MN2BD223J	J	AA	22 kohms,1/8W
R179,180	VRD-MN2BD562J	J	AA	5.6 kohms,1/8W
R185,186	VRD-ST2CD560J	J	AA	56 ohms,1/6W
R189	VRD-ST2CD100J	J	AA	10 ohm,1/6W
R190	VRD-MN2BD100J	J	AA	10 ohm,1/8W
R191~193	VRD-MN2BD152J	J	AA	1.5 kohms,1/8W

NO.	PART CODE	★	PRICE RANK	DESCRIPTION
R195	VRD-MN2BD121J	J	AA	120 ohms,1/8W
R196	VRD-ST2CD121J	J	AA	120 ohms,1/6W
R197,198	VRD-MN2BD272J	J	AA	2.7 kohms,1/8W
R201,202	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R204	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R205~209	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R210	VRD-ST2CD473J	J	AA	47 kohms,1/6W
R211	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R214	VRD-MN2BD473J	J	AA	47 kohms,1/8W
R215~217	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R218	VRD-MN2BD473J	J	AA	47 kohms,1/8W
R219	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R220	VRD-ST2CD473J	J	AA	47 kohms,1/6W
R221	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R222	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R223~228	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R229,230	VRD-MN2BD151J	J	AA	150 ohms,1/8W
R231	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R232	VRD-MN2BD101J	J	AA	100 ohm,1/8W
R233,234	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R235	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R236	VRD-MN2BD332J	J	AA	3.3 kohms,1/8W
R237	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R238	VRD-ST2CD104J	J	AA	100 kohm,1/6W
R239	VRD-MN2BD820J	J	AA	82 ohms,1/8W
R240	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R256	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R257	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R258	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R302	VRD-ST2CD820J	J	AA	82 ohms,1/6W
R310	VRD-MN2BD223J	J	AA	22 kohms,1/8W
R311	VRD-MN2BD104J	J	AA	100 kohm,1/8W
R312	VRD-MN2BD333J	J	AA	33 kohms,1/8W
R313	VRD-MN2BD223J	J	AA	22 kohms,1/8W
R314	VRD-MN2BD332J	J	AA	3.3 kohms,1/8W
R315	VRD-ST2CD223J	J	AA	22 kohms,1/6W
R316	VRD-MN2BD223J	J	AA	22 kohms,1/8W
R317	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R318	VRD-MN2BD152J	J	AA	1.5 kohms,1/8W
R319	VRD-ST2CD104J	J	AA	100 kohm,1/6W
R320	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R321,322	VRD-MN2BD562J	J	AA	5.6 kohms,1/8W
R323	VRD-MN2BD683J	J	AA	68 kohms,1/8W
R324	VRD-MN2BD104J	J	AA	100 kohm,1/8W
R325	VRD-MN2BD563J	J	AA	56 kohms,1/8W
R326	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R327	VRD-MN2BD562J	J	AA	5.6 kohms,1/8W
R328	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R329	VRD-MN2BD104J	J	AA	100 kohm,1/8W
R330	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R338,339	VRD-ST2CD471J	J	AA	470 ohms,1/6W
R340	VRD-ST2CD221J	J	AA	220 ohms,1/6W
R341~343	VRD-MN2BD473J	J	AA	47 kohms,1/8W
R350	VRD-MN2BD272J	J	AA	2.7 kohms,1/8W
R351	VRD-MN2BD562J	J	AA	5.6 kohms,1/8W
R352	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R353	VRD-MN2BD271J	J	AA	270 ohms,1/8W
R354	VRD-ST2CD392J	J	AA	3.9 kohms,1/6W
R355	VRD-MN2BD332J	J	AA	3.3 kohms,1/8W
R356	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R357	VRD-ST2CD474J	J	AA	470 kohms,1/6W
R358	VRD-MN2BD822J	J	AA	8.2 kohms,1/8W
R359	VRD-MN2BD182J	J	AA	1.8 kohms,1/8W
R360	VRD-MN2BD472J	J	AA	4.7 kohms,1/8W
R361,362	VRD-MN2BD332J	J	AA	3.3 kohms,1/8W
R363,364	VRD-MN2BD222J	J	AA	2.2 kohms,1/8W
R365,366	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R367	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R368	VRD-ST2CD333J	J	AA	33 kohms,1/6W
R371~374	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R376	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R377	VRD-ST2CD473J	J	AA	47 kohms,1/6W
R379	VRD-MN2BD222J	J	AA	2.2 kohms,1/8W
R380	VRD-MN2BD152J	J	AA	1.5 kohms,1/8W
R381	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R382	VRD-ST2EE151J	J	AA	150 ohms,1/4W
R383~385	VRD-MN2BD562J	J	AA	5.6 kohms,1/8W
R387	VRD-MN2BD223J	J	AA	22 kohms,1/8W
R390	VRD-ST2CD823J	J	AA	82 kohms,1/6W
R391,392	VRD-ST2EE391J	J	AA	390 ohms,1/4W
R393	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R395	VRD-ST2CD473J	J	AA	47 kohms,1/6W

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
R396~398	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R455	VRD-ST2CD104J	J	AA	100 kohm,1/6W
R456	VRD-MN2BD104J	J	AA	100 kohm,1/8W
R459~461	VRD-MN2BD104J	J	AA	100 kohm,1/8W
R462	VRD-ST2CD104J	J	AA	100 kohm,1/6W
R465	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R466	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R467	VRD-ST2EE271J	J	AA	270 ohms,1/4W
R468,469	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R470	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R471,472	VRD-MN2BD104J	J	AA	100 kohm,1/8W
R473,474	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R475	VRD-ST2CD222J	J	AA	2.2 kohms,1/6W
R477	VRD-ST2EE271J	J	AA	270 ohms,1/4W
R479	VRD-MN2BD223J	J	AA	22 kohms,1/8W
R480	VRD-MN2BD473J	J	AA	47 kohms,1/8W
R481	VRD-MN2BD392J	J	AA	3.9 kohms,1/8W
R482	VRD-ST2CD333J	J	AA	33 kohms,1/6W
R483	VRD-MN2BD104J	J	AA	100 kohm,1/8W
R484	VRD-MN2BD152J	J	AA	1.5 kohms,1/8W
R487	VRD-MN2BD104J	J	AA	100 kohm,1/8W
R488	VRD-ST2CD472J	J	AA	4.7 kohms,1/6W
R490	VRD-MN2BD472J	J	AA	4.7 kohms,1/8W
R491	VRD-ST2CD152J	J	AA	1.5 kohms,1/6W
R492	VRD-MN2BD472J	J	AA	4.7 kohms,1/8W
R493	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R498	VRD-MN2BD472J	J	AA	4.7 kohms,1/8W
R501,502	VRD-MN2BD474J	J	AA	470 kohms,1/8W
R503,504	VRD-MN2BD153J	J	AA	15 kohms,1/8W
R505,506	VRD-MN2BD332J	J	AA	3.3 kohms,1/8W
R509~511	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R512	VRD-MN2BD474J	J	AA	470 kohms,1/8W
R513~518	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R521,522	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R553	VRD-ST2CD153J	J	AA	15 kohms,1/6W
R554	VRD-MN2BD474J	J	AA	470 kohms,1/8W
R555	VRD-MN2BD274J	J	AA	270 kohms,1/8W
R556	VRD-ST2CD563J	J	AA	56 kohms,1/6W
R557	VRD-MN2BD474J	J	AA	470 kohms,1/8W
R558	VRD-ST2CD104J	J	AA	100 kohm,1/6W
R559	VRD-ST2CD225J	J	AA	2.2 Mohms,1/6W
R560	VRD-MN2BD225J	J	AA	2.2 Mohms,1/8W
R561	VRD-ST2CD104J	J	AA	100 kohm,1/6W
R562	VRD-MN2BD183J	J	AA	18 kohms,1/8W
R563	VRD-MN2BD223J	J	AA	22 kohms,1/8W
R564	VRD-MN2BD684J	J	AA	680 kohms,1/8W
R565	VRD-ST2CD224J	J	AA	220 kohms,1/6W
R566	VRD-MN2BD104J	J	AA	100 kohm,1/8W
R567	VRD-ST2CD123J	J	AA	12 kohms,1/6W
R568	VRD-ST2CD683J	J	AA	68 kohms,1/6W
R569	VRD-MN2BD394J	J	AA	390 kohms,1/8W
R570	VRD-MN2BD224J	J	AA	220 kohms,1/8W
R571	VRD-ST2CD104J	J	AA	100 kohm,1/6W
R572	VRD-MN2BD474J	J	AA	470 kohms,1/8W
R573	VRD-MN2BD123J	J	AA	12 kohms,1/8W
R574	VRD-MN2BD393J	J	AA	39 kohms,1/8W
R575	VRD-ST2CD224J	J	AA	220 kohms,1/6W
R576	VRD-MN2BD104J	J	AA	100 kohm,1/8W
R577	VRD-MN2BD394J	J	AA	390 kohms,1/8W
R578	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R579	VRD-MN2BD333J	J	AA	33 kohms,1/8W
R580	VRD-ST2CD224J	J	AA	220 kohms,1/6W
R581	VRD-MN2BD104J	J	AA	100 kohm,1/8W
R582	VRD-ST2CD331J	J	AA	330 ohms,1/6W
R583	VRD-ST2CD221J	J	AA	220 ohms,1/6W
R591,592	VRD-MN2BD222J	J	AA	2.2 kohms,1/8W
R593,594	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R595,596	VRD-ST2CD222J	J	AA	2.2 kohms,1/6W
R700	VRD-ST2EE270J	J	AA	27 ohms,1/4W
R701~703	VRS-TV2AB102J	J	AA	1 kohm,1/10W
R706,707	VRS-TV2AB102J	J	AA	1 kohm,1/10W
R708	VRD-ST2CD821J	J	AA	820 ohms,1/6W
R709~712	VRS-TV2AB102J	J	AA	1 kohm,1/10W
R713	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R714,715	VRS-TV2AB102J	J	AA	1 kohm,1/10W
R716	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R717	VRS-TV2AB102J	J	AA	1 kohm,1/10W
R718	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R719	VRS-TV2AB102J	J	AA	1 kohm,1/10W
R720~723	VRS-TV2AB103J	J	AA	10 kohm,1/10W
R724	VRS-TV2AB102J	J	AA	1 kohm,1/10W
R725	VRS-TV2AB822J	J	AA	8.2 kohms,1/10W

NO.	PART CODE	★	PRICE RANK	DESCRIPTION
R726	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R727	VRD-ST2CD122J	J	AA	1.2 kohms,1/6W
R728	VRS-TV2AB182J	J	AA	1.8 kohms,1/10W
R729	VRS-TV2AB222J	J	AA	2.2 kohms,1/10W
R730	VRS-TV2AB822J	J	AA	8.2 kohms,1/10W
R731	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R732	VRS-TV2AB122J	J	AA	1.2 kohms,1/10W
R733	VRS-TV2AB182J	J	AA	1.8 kohms,1/10W
R734	VRS-TV2AB222J	J	AA	2.2 kohms,1/10W
R735	VRS-TV2AB392J	J	AA	3.9 kohms,1/10W
R736	VRS-TV2AB562J	J	AA	5.6 kohms,1/10W
R737	VRD-ST2CD822J	J	AA	8.2 kohms,1/6W
R743	VRD-ST2CD822J	J	AA	8.2 kohms,1/6W
R744	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R745	VRD-ST2CD122J	J	AA	1.2 kohms,1/6W
R746	VRS-TV2AB182J	J	AA	1.8 kohms,1/10W
R747	VRS-TV2AB222J	J	AA	2.2 kohms,1/10W
R748	VRS-TV2AB392J	J	AA	3.9 kohms,1/10W
R749	VRS-TV2AB562J	J	AA	5.6 kohms,1/10W
R750	VRD-ST2CD822J	J	AA	8.2 kohms,1/6W
R751	VRS-TV2AB102J	J	AA	1 kohm,1/10W
R752	VRS-TV2AB122J	J	AA	1.2 kohms,1/10W
R753	VRS-TV2AB182J	J	AA	1.8 kohms,1/10W
R758	VRD-ST2CD822J	J	AA	8.2 kohms,1/6W
R759	VRS-TV2AB102J	J	AA	1 kohm,1/10W
R760	VRD-ST2CD122J	J	AA	1.2 kohms,1/6W
R765	VRS-TV2AB102J	J	AA	1 kohm,1/10W
R766	VRS-TV2AB122J	J	AA	1.2 kohms,1/10W
R767	VRS-TV2AB182J	J	AA	1.8 kohms,1/10W
R768	VRS-TV2AB222J	J	AA	2.2 kohms,1/10W
R769	VRS-TV2AB392J	J	AA	3.9 kohms,1/10W
R770~772	VRS-TV2AB821J	J	AA	820 ohms,1/10W
R773	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R774~775	VRD-ST2CD821J	J	AA	820 ohms,1/6W
R778~784	VRS-TV2AB102J	J	AA	1 kohm,1/10W
R786,787	VRS-TV2AB821J	J	AA	820 ohms,1/10W
R788	VRS-TV2AB102J	J	AA	1 kohm,1/10W
R790	VRS-TV2AB102J	J	AA	1 kohm,1/10W
R791~797	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R798,799	VRS-TV2AB822J	J	AA	8.2 kohms,1/10W
R820	VRD-ST2CD470J	J	AA	47 ohms,1/6W
R822	VRD-ST2EE561J	J	AA	560 ohms,1/4W
R823,824	VRD-ST2CD470J	J	AA	47 ohms,1/6W
R825	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R826	VRD-ST2EE561J	J	AA	560 ohms,1/4W
⚠ R827	VRG-ST2EC220J	J	AB	22 ohms,1/4W,Fusible
R828	VRD-ST2EE101J	J	AA	100 ohm,1/4W
R829	VRD-ST2EE152J	J	AA	1.5 kohms,1/4W
R831	VRD-MN2BD223J	J	AA	22 kohms,1/8W
R834	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R835	VRD-MN2BD333J	J	AA	33 kohms,1/8W
R851	VRD-ST2CD123J	J	AA	12 kohms,1/6W
R857	VRD-ST2CD222J	J	AA	2.2 kohms,1/6W
R907,908	VRD-ST2CD563J	J	AA	56 kohms,1/6W
R909,910	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R911,912	VRD-ST2CD563J	J	AA	56 kohms,1/6W
R913,914	VRD-ST2CD271J	J	AA	270 ohms,1/6W
R915,916	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R919,920	VRD-ST2CD222J	J	AA	2.2 kohms,1/6W
R921~924	VRS-VV3AAR20J	J	AB	0.2 ohms,1W
R925,926	VRD-ST2CD563J	J	AA	56 kohms,1/6W
R927,928	VRD-RT2HD4R7J	J	AA	4.7 ohms,1/2W
⚠ R933,934	VRS-VV3DA561J	J		560 ohms,2W
R939,940	VRD-ST2CD152J	J	AA	1.5 kohms,1/6W
R941,942	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R947,948	VRD-ST2CD123J	J	AA	12 kohms,1/6W
R967,968	VRD-MN2BD223J	J	AA	22 kohms,1/8W
R969,970	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R971,972	VRD-ST2CD223J	J	AA	22 kohms,1/6W
R973~975	VRD-ST2CD392J	J	AA	3.9 kohms,1/6W
R976	VRD-ST2EE470J	J	AA	47 ohms,1/4W
R977	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R978	VRD-ST2CD104J	J	AA	100 kohm,1/6W
R979	VRD-MN2BD333J	J	AA	33 kohms,1/8W
R985	VRS-VV3DA821J	J	AC	820 ohms,2W
R987,988	VRD-MN2BD332J	J	AA	3.3 kohms,1/8W
R989~992	VRD-RT2HD100J	J	AA	10 ohm,1/2W
R993,994	VRG-ST2HC101J	J	AB	100 ohm,1/2W,Fusible
R995	VRD-MN2BD183J	J	AA	18 kohms,1/8W
R996	VRD-ST2CD473J	J	AA	47 kohms,1/6W
R997	VRD-ST2CD332J	J	AA	3.3 kohms,1/6W
R998	VRD-ST2CD563J	J	AA	56 kohms,1/6W

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
RA01	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RA02~05	VRD-MN2BD102J	J	AA	1 kohm,1/8W
RA06~10	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RA11~13	VRD-MN2BD102J	J	AA	1 kohm,1/8W
RA14	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RA19~23	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RA24~29	VRD-MN2BD102J	J	AA	1 kohm,1/8W
RA30~33	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RA34,35	VRD-MN2BD102J	J	AA	1 kohm,1/8W
RA36,37	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RA38,39	VRD-MN2BD102J	J	AA	1 kohm,1/8W
RA40	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RA41,42	VRD-MN2BD102J	J	AA	1 kohm,1/8W
RA43	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RA44,45	VRD-MN2BD102J	J	AA	1 kohm,1/8W
RA46,47	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RA48,49	VRD-MN2BD102J	J	AA	1 kohm,1/8W
RA51	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RA52,53	VRD-MN2BD102J	J	AA	1 kohm,1/8W
RA54	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RA55	VRD-MN2BD102J	J	AA	1 kohm,1/8W
RA58	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RA59	VRD-MN2BD102J	J	AA	1 kohm,1/8W
RA61	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RA62,63	VRD-MN2BD102J	J	AA	1 kohm,1/8W
RA64,65	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RA66	VRD-MN2BD102J	J	AA	1 kohm,1/8W
RA67	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RA68,69	VRD-MN2BD102J	J	AA	1 kohm,1/8W
RA70	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RA71~73	VRD-MN2BD102J	J	AA	1 kohm,1/8W
RA74	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RA75,76	VRD-MN2BD102J	J	AA	1 kohm,1/8W
RA77	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RA78	VRD-MN2BD102J	J	AA	1 kohm,1/8W
RA79	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RA80	VRD-MN2BD102J	J	AA	1 kohm,1/8W
RA81,82	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RA83	VRD-MN2BD102J	J	AA	1 kohm,1/8W
RA87,88	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RA91~94	VRD-MN2BD102J	J	AA	1 kohm,1/8W
RA95,96	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RA97,98	VRD-MN2BD102J	J	AA	1 kohm,1/8W
RA99	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RD01	VRD-MN2BD102J	J	AA	1 kohm,1/8W
RD02	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RD03,04	VRD-MN2BD102J	J	AA	1 kohm,1/8W
RD05,06	VRD-MN2BD103J	J	AA	10 kohm,1/8W
RD07,08	VRD-MN2BD182J	J	AA	1.8 kohms,1/8W
RD09	VRD-ST2CD223J	J	AA	22 kohms,1/6W
RD10~12	VRD-MN2BD103J	J	AA	10 kohm,1/8W
RD13,14	VRD-ST2CD103J	J	AA	10 kohm,1/6W
RD15	VRD-ST2EE271J	J	AA	270 ohms,1/4W
RD21,22	VRD-ST2CD683J	J	AA	68 kohms,1/6W
RD23,24	VRD-MN2BD392J	J	AA	3.9 kohms,1/8W
RD25,26	VRD-MN2BD471J	J	AA	470 ohms,1/8W
RD27	VRD-ST2CD683J	J	AA	68 kohms,1/6W
RD28	VRD-MN2BD683J	J	AA	68 kohms,1/8W
RD29,30	VRD-MN2BD122J	J	AA	1.2 kohms,1/8W
RD31,32	VRD-MN2BD822J	J	AA	8.2 kohms,1/8W
RD33,34	VRD-MN2BD562J	J	AA	5.6 kohms,1/8W
RD35	VRD-MN2BD105J	J	AA	1 Mohm,1/8W
RD36	VRD-ST2CD101J	J	AA	100 ohm,1/6W
RD37	VRD-ST2EE271J	J	AA	270 ohms,1/4W
RD38	VRD-MN2BD332J	J	AA	3.3 kohms,1/8W
RD39	VRD-MN2BD104J	J	AA	100 kohm,1/8W
RD41	VRD-MN2BD472J	J	AA	4.7 kohms,1/8W
RD42	VRD-ST2CD472J	J	AA	4.7 kohms,1/6W
RD43,44	VRD-ST2CD334J	J	AA	330 kohms,1/6W
RD69	VRD-ST2CD103J	J	AA	10 kohm,1/6W
RD70	VRD-MN2BD103J	J	AA	10 kohm,1/8W
RD71,72	VRD-ST2CD682J	J	AA	6.8 kohms,1/6W
RD73	VRD-MN2BD103J	J	AA	10 kohm,1/8W
RD75	VRD-ST2CD473J	J	AA	47 kohms,1/6W
RD76	VRD-ST2CD103J	J	AA	10 kohm,1/6W
RD77,78	VRD-MN2BD472J	J	AA	4.7 kohms,1/8W
RM01	VRD-MN2BD332J	J	AA	3.3 kohms,1/8W
RM02	VRD-MN2BD561J	J	AA	560 ohms,1/8W
RM03	VRD-MN2BD473J	J	AA	47 kohms,1/8W
RM04	VRD-ST2CD104J	J	AA	100 kohm,1/6W
RM05	VRD-ST2CD103J	J	AA	10 kohm,1/6W
RM06	VRD-ST2CD222J	J	AA	2.2 kohms,1/6W

NO.	PART CODE	★	PRICE RANK	DESCRIPTION
RM09	VRD-MN2BD103J	J	AA	10 kohm,1/8W
RM10	VRD-ST2CD103J	J	AA	10 kohm,1/6W
RM11,12	VRD-ST2CD222J	J	AA	2.2 kohms,1/6W
RM23,24	VRD-ST2CD821J	J	AA	820 ohms,1/6W
RM25	VRD-MN2BD102J	J	AA	1 kohm,1/8W
RP01,02	VRD-MN2BD104J	J	AA	100 kohm,1/8W
RP05,06	VRD-MN2BD222J	J	AA	2.2 kohms,1/8W
RP07	VRD-MN2BD102J	J	AA	1 kohm,1/8W
RP08	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RP09,10	VRD-ST2CD103J	J	AA	10 kohm,1/6W
RP11,12	VRD-MN2BD473J	J	AA	47 kohms,1/8W
RP13,14	VRD-ST2CD562J	J	AA	5.6 kohms,1/6W
RP15,16	VRD-ST2EE221J	J	AA	220 ohms,1/4W
RP37,38	VRD-MN2BD683J	J	AA	68 kohms,1/8W
RP101	RH-QX0003AWZZ	J	AK	Posistor,2.2 ohms
RT01	VRD-MN2BD104J	J	AA	100 kohm,1/8W
RT02	VRD-MN2BD333J	J	AA	33 kohms,1/8W
RT03	VRD-ST2CD220J	J	AA	22 ohms,1/6W
RT04	VRD-MN2BD470J	J	AA	47 ohms,1/8W
RT05,06	VRD-MN2BD273J	J	AA	27 kohms,1/8W
RT05A	VRD-MN2BD473J	J	AA	47 kohms,1/8W
RT06A	VRD-MN2BD100J	J	AA	10 ohm,1/8W
RT07,08	VRD-MN2BD182J	J	AA	1.8 kohms,1/8W
RT07A	VRD-MN2BD681J	J	AA	680 ohms,1/8W
RT08A	VRD-MN2BD103J	J	AA	10 kohm,1/8W
RT09	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RT09A	VRD-ST2EE821J	J	AA	820 ohms,1/4W
RT10	VRD-MN2BD102J	J	AA	1 kohm,1/8W
RT10A	VRD-ST2CD472J	J	AA	4.7 kohms,1/6W
RT11,12	VRD-MN2BD104J	J	AA	100 kohm,1/8W
RT13,14	VRD-ST2CD472J	J	AA	4.7 kohms,1/6W
RT15,16	VRD-MN2BD102J	J	AA	1 kohm,1/8W
RT17	VRD-MN2BD183J	J	AA	18 kohms,1/8W
RT18	VRD-ST2CD183J	J	AA	18 kohms,1/6W
RT19,20	VRD-MN2BD562J	J	AA	5.6 kohms,1/8W
RT21,22	VRD-MN2BD104J	J	AA	100 kohm,1/8W
RT23,24	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RT25	VRD-ST2CD221J	J	AA	220 ohms,1/6W
RT27	VRD-ST2CD473J	J	AA	47 kohms,1/6W
RT41	VRD-ST2CD221J	J	AA	220 ohms,1/6W
RY03~12	VRS-TV2AB104J	J	AA	100 kohm,1/10W
RY13	VRD-ST2CD104J	J	AA	100 kohm,1/6W
RY14~28	VRS-TV2AB104J	J	AA	100 kohm,1/10W
RY29	VRS-TV2AB330J	J	AA	33 ohms,1/10W
RY30,31	VRD-ST2CD330J	J	AA	33 ohms,1/6W
RY32~38	VRS-TV2AB330J	J	AA	33 ohms,1/10W
RY39	VRS-TV2AB104J	J	AA	100 kohm,1/10W
RY40~44	VRS-TV2AB102J	J	AA	1 kohm,1/10W
RY56	VRS-TV2AB104J	J	AA	100 kohm,1/10W

OTHER CIRCUITRY PARTS

BI851/CNS851	QCNWN1091AWZZ	J	AG	Connector Ass'y,4/4Pin
BIM1	QCNWN1005AWZZ	J	AF	Connector Ass'y,4Pin
BIM2/CNS2	QCNWN1020AWZZ	J	AF	Connector Ass'y,5/5Pin
BIM3	QCNWN0987AWZZ	J	AH	Connector Ass'y,6Pin
CFW1	QCNCWZG27AWZZ	J	AE	Socket,27Pin
CFW2	QCNCWZG27AWZZ	J	AE	Socket,27Pin
CFW852	QCNCWZG14AWZZ	J	AD	Socket,14Pin
CFW903	QCNWN1089AWZZ	J	AH	Socket,14Pin
CNP1	92LCONPB7BPHK	J	AC	Plug,7Pin
CNP2	92LCONPB8BPHK	J	AC	Plug,8Pin
CNP3	92LCONE6P53253	J	AC	Plug,6Pin
CNP3A	92LCONE6P53254	J	AC	Plug,6Pin
CNP11	92LCONE4P53015	J	AC	Plug,4Pin
CNP12	92LCONE5P53253	J	AB	Plug,5Pin
CNP13	92LCONE6P53253	J	AC	Plug,6Pin
CNP101	92LCONE3P53253	J	AB	Plug,3Pin
CNP102	92LCONE7P53253	J	AC	Plug,7Pin
CNP201	QCNCWZS10AWZZ	J	AK	Socket,10Pin
CNP202	QCNCW010LAWZZ	J	AD	Plug,11Pin
CNP303	QCNCM010LAWZZ	J	AC	Plug,11Pin
CNP851	92LCONE-4P5267	J		Plug,4Pin
CNP901	92LCONE2P53253	J	AB	Plug,2Pin
CNS1A/B	QCNWN0858AWZZ	J	AG	Connector Ass'y,8/8Pin
CNS2A/B	QCNWN0859AWZZ	J	AF	Connector Ass'y,7/7Pin
CNS3A/B	QCNWN0857AFZZ	J	AK	Connector Ass'y,6/6Pin
CNS101A/B	QCNWN1095AWZZ	J	AG	Connector Ass'y,3/3Pin
CNS102A/B	QCNWN1096AWZZ	J	AM	Connector Ass'y,7/6Pin
CNS701	QCNCMZS10AWZZ	J	AK	Socket,10Pin
CNS901	QCNWN1090AWZZ	J	AD	Connector Ass'y,2Pin
⚠ F820	92LFUSE-T501E	J	AD	Fuse,T500mA L 250V

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
⚠ F853	92LFUSE-T202E	J	AD	Fuse,T2A L 250V
⚠ F854	92LFUSE-T502-E	J	AD	Fuse,T5A L 250V
⚠ F855,856	92LFUSE-T252-E	J	AD	Fuse,T2.5A L 250V
⚠ F857,858	92LFUSE-T502-E	J	AD	Fuse,T5A L 250V
FL701	VVKCK1627M/-1	J	BM	FL Display
FW1	QCNWN1085AWZZ	J	AF	Flat Cable,27Pin
FW201	QCNWN1101AWZZ	J	AE	Flat Wire,8Pin
FW701	QCNWN1092AWZZ	J	AE	Flat Cable,6Pin
FW853	QCNWN1100AWZZ	J	AC	Flat Cable,3Pin
FW901	QCNWN1087AWZZ	J	AD	Flat Cable,5Pin
FW903	QCNCW012PAWZZ	J	AE	Flat Cable,14Pin
FW904	QCNWN1088AWZZ	J	AF	Flat Wire,8Pin
FWM1	QCNWN1093AWZZ	J	AF	Flat Wire,8Pin
FWM2	QCNWN1094AWZZ	J	AH	Flat Wire,13Pin
J901	QJAKM0005AWZZ	J	AD	Jack,Headphones
JT01	QSOCJ0205AWZZ	J	AG	Jack,VIDEO/AUX 1
JT02	QSOCJ0205AWZZ	J	AG	Jack,LINE OUT
M701	92LMTR1854CASY	J	AS	Motor with Chassis [Spindle]
M702	92LMTR1854BASY	J	AP	Motor with Gear [Sled]
M901	92LMTR1810A	J	AK	Motor,Air Cooling Fan
MM1(300-3)	92PF525-319	J	AW	Motor with Pulley [Tape]
MOB1	RMOTV0373AFM1	J	AQ	Main Cam Motor Ass'y
MOB2	RMOTV0373AFM1	J	AQ	Tray Motor Ass'y
PHM1,2	————		—	Phote Interrupter (Supplies at REF NO. PWB-G/PWB-H)
RL851	RRLYD0007AWZZ	J	AQ	Relay
RL901	RRLYD0004AWZZ	J	AP	Relay
RX701	VHL22043TE2-1	J		Remote Control Sensor,22043TE2
SO301	QTANC0301AWZZ	J	AH	Terminal,Antenna
SO901	QTANA0404AWZZ	J	AF	Terminal,Speaker
SOL1,2	————		—	Solenoid (Supplies at REF NO. PWB-G/PWB-H)
SW202	QSW-S0024AWZZ	J	AE	Switch,Slide Type [Span Selector]
SW701	QSW-Z0003AWZZ	J	AH	Switch,Rotary Type [Volume Up/Down]
SW702	QSW-Z0003AWZZ	J	AH	Switch,Rotary Type [Jog Dial]
SW702A	QSW-F9001AWZZ	J	AE	Switch,Push Type [Pickup In]
SW703	QSW-K0006AWZZ	J	AC	Switch,Key Type [X-BASS]
SW704	QSW-K0006AWZZ	J	AC	Switch,Key Type [Equalizer/Demo]
SW705	QSW-K0006AWZZ	J	AC	Switch,Key Type [SRS Mode]
SW706	QSW-K0006AWZZ	J	AC	Switch,Key Type [SRS Pass]
SW707	QSW-K0006AWZZ	J	AC	Switch,Key Type [FF]
SW708	QSW-K0006AWZZ	J	AC	Switch,Key Type [Stop]
SW709	QSW-K0006AWZZ	J	AC	Switch,Key Type [Edit Normal]
SW710	QSW-K0006AWZZ	J	AC	Switch,Key Type [Edit High]
SW711	QSW-K0006AWZZ	J	AC	Switch,Key Type [Record/Pause]
SW712	QSW-K0006AWZZ	J	AC	Switch,Key Type [Forward Play]
SW713	QSW-K0006AWZZ	J	AC	Switch,Key Type [Dolby-NR]
SW717	QSW-K0006AWZZ	J	AC	Switch,Key Type [Rewind]
SW718	QSW-K0006AWZZ	J	AC	Switch,Key Type [CD Pause]
SW719	QSW-K0006AWZZ	J	AC	Switch,Key Type [Reverse Play]
SW720	QSW-K0006AWZZ	J	AC	Switch,Key Type [Reverse Mode]
SW721	QSW-K0006AWZZ	J	AC	Switch,Key Type [Clock]
SW722	QSW-K0006AWZZ	J	AC	Switch,Key Type [Timer]
SW723	QSW-K0006AWZZ	J	AC	Switch,Key Type [Sleep]
SW724	QSW-K0006AWZZ	J	AC	Switch,Key Type [Video/AUX]
SW725	QSW-K0006AWZZ	J	AC	Switch,Key Type [Tape 1/2]
SW726	QSW-K0006AWZZ	J	AC	Switch,Key Type [Tuner (BAND)]
SW727	QSW-K0006AWZZ	J	AC	Switch,Key Type [CD]
SW732	QSW-K0006AWZZ	J	AC	Switch,Key Type [Clear]
SW733	QSW-K0006AWZZ	J	AC	Switch,Key Type [Memory/Set]
SW734	QSW-K0006AWZZ	J	AC	Switch,Key Type [Power On/Stand-by]
SW739	QSW-K0006AWZZ	J	AC	Switch,Key Type [Disc 3 Open/Close]
SW740	QSW-K0006AWZZ	J	AC	Switch,Key Type [Disc 3]
SW741	QSW-K0006AWZZ	J	AC	Switch,Key Type [Disc 2 Open/Close]
SW742	QSW-K0006AWZZ	J	AC	Switch,Key Type [Disc 2]
SW743	QSW-K0006AWZZ	J	AC	Switch,Key Type [Disc 1 Open/Close]
SW744	QSW-K0006AWZZ	J	AC	Switch,Key Type [Disc 1]
⚠ SW851	QSOCE0008AWZZ	J	AH	Switch,Slide Type [Voltage Selector]
SWB101,102	QSW-F0353AFZZ	J	AD	Switch,Leaf Type [Cam1,2]
SWB103,104	QSW-F0353AFZZ	J	AD	Switch,Leaf Type [Cam3,4]
SWB105	QSW-P0920AFZZ	J	AC	Switch,Push Type [CD Eject]
SWB107	QSW-P0920AFZZ	J	AC	Switch,Push Type [CD In]

NO.	PART CODE	★	PRICE RANK	DESCRIPTION
SWB108	QSW-P0920AFZZ	J	AC	Switch,Push Type [CD Set]
SWE1	————		—	Switch,Leaf Type [Tape 1 Play] (Supplies at REF NO. PWB-G)
SWE2	————		—	Switch,Leaf Type [Tape 1 CrO2] (Supplies at REF NO. PWB-G)
SWE4	————		—	Switch,Leaf Type [Tape 2 Play] (Supplies at REF NO. PWB-H)
SWE5	————		—	Switch,Leaf Type [Tape 2 CrO2] (Supplies at REF NO. PWB-H)
SWE7	————		—	Switch,Leaf Type [Tape 2 Side A FP] (Supplies at REF NO. PWB-H)
SWE8	————		—	Switch,Leaf Type [Tape 2 Side B FP] (Supplies at REF NO. PWB-H)
WT853	92LCONE3P52287	J	AC	Socket,3Pin
WT902	92LCONE5P52287	J	AC	Socket,5Pin
WTM1	92LCONE8P52287	J	AD	Plug,8Pin,Wire Trap
WTM2	QCNCW012NAWZZ	J	AE	Plug,13Pin,Wire Trap

CD MECHANISM PARTS

301	NGERH0011AWZZ	J	AC	Gear,Middle
302	NGERH0012AWZZ	J	AC	Gear,Drive
303	MLEVP0010AWZZ	J	AC	Rail,Guide
304	NSFTM0002AWFW	J	AE	Shaft,Guide
305	PCUSG0427AFSC	J	AC	Cushion
⚠306	RCTRH8164AFZZ	J	BF	Pickup Unit Ass'y
306- 1	————		—	Pickup Unit (Not Replacement Item)
306- 2	NGERR0043AFZZ	J	AC	Gear,Rack
306- 3	MSPRC0961AFZZ	J	AA	Spring,Rack
307	PCUSG0001AWSA	J	AD	Insulator
308	PCUSG0004AWSA	J	AD	Insulator
701	92L2R6S+6CZ	J	AB	Screw,ø2.6×6mm
702	XHBSD20P05000	J	AA	Screw,ø2×5mm
703	XBBSD20P03000	J	AA	Screw,ø2×3mm
704	92L1R5WC3R8R25	J	AA	Washer,ø1.5×ø3.8×0.25mm
M701	92LMTR1854CASY	J	AS	Motor with Chassis [Spindle]
M702	92LMTR1854BASY	J	AP	Motor with Gear [Sled]
SW702A	QSW-F9001AWZZ	J	AE	Switch,Push Type [Pickup In]

CHANGER MECHANISM

101	LCHSM0037AWZZ	J	AP	Main Base
102	LANGF0024AWZZ	J	AE	Top Board
103	NROLP0007AWZZ	J	AB	Rollar,Cam Guide
104	NPLYR0004AWZZ	J	AC	Pulley,Drive
105	NGERH0052AWZZ	J	AC	Gear,Idler
106	NGERH0053AWZZ	J	AB	Gear,Cam
107	NGERH0054AWZZ	J	AB	Gear,Midle
108	NGERH0057AWZZ	J	AB	Gear,Tray Idler
109	MCAMP0127AFZZ	J	AR	Main Cam
110	MLEVP0056AWZZ	J	AC	Lever,Front Switch
111	MLEVP0057AWM1	J	AC	Rear Switch Lever Ass'y
112	MLEVP0058AWZZ	J	AB	Lever,Tray Lock
113	PGIDM0018AWZZ	J	AF	Holder,Mechanism
114	PGIDM0019AWZZ	J	AE	Holder,Stabilizer
115	LHLDM1008AWZZ	J	AD	Stabilizer
116	PGIDM0017AWZZ	J	AC	Guide,Mechanism Holder
119	GCOVA1152AWZZ	J	AL	Tray,Disc Guide
120	GCOVA1153AWZZ	J	AF	Tray,Disc
121	LANGF0025AWZZ	J	AB	Bracket,Switch
122	NSFTL0001AWZZ	J	AB	Shaft,Tray Change
123	MSPRD0078AWFJ	J	AB	Spring,Tray Switch
124	MSPRD0080AWFJ	J	AB	Spring,Tray Lock Lever
125	MSPRD0079AWFJ	J	AB	Spring,Disc Stop
126	NBLTK0028AWZZ	J	AB	Belt,Tray Drive
127	NBLTK0027AWZZ	J	AB	Belt,Cam Drive
128	PMAGF0001AWZZ	J	AF	Magnet
129	92LN-BAND1318A	J	AA	Nylon Band,80mm
130	PGUMS0012AWZZ	J	AB	Tray Rubber
131	LANGF0028AWZZ	J	AB	Bracket,Mechanism Holder
132	LCHSM0038AWZZ	J	AK	Changer Box
133	NGERH0055AWZZ	J	AC	Gear,Center
134	NGERH0056AWZZ	J	AB	Gear,Center Tray
135	NGERH0058AWZZ	J	AB	Gear,Tray Drive
136	MLEVP0052AWZZ	J	AC	Lever,Tray Change
137	MLEVP0053AWZZ	J	AC	Lever,Top Joint
138	MLEVP0054AWZZ	J	AC	Lever,Midle Joint
139	MLEVP0055AWZZ	J	AC	Lever,Bottom Joint
801	XBPSD26P04000	J	AA	Screw,ø2.6×4mm
802	XEBSD20P07000	J	AB	Screw,ø2×7mm
803	XEBSD20P06000	J	AA	Screw,ø2×6mm
804	XEBSD26P12000	J	AA	Screw,ø2.6×12mm
805	LX-EZ0005AWFD	J	AA	Screw,ø2.6×10mm
MOB1	RMOTV0373AFM1	J	AQ	Main Cam Motor Ass'y
MOB2	RMOTV0373AFM1	J	AQ	Tray Motor Ass'y
SWB101,102	QSW-F0353AFZZ	J	AD	Switch,Leaf Type [Cam1,2]
SWB103,104	QSW-F0353AFZZ	J	AD	Switch,Leaf Type [Cam3,4]
SWB105	QSW-P0920AFZZ	J	AC	Switch,Push Type [CD Eject]
SWB106	QSW-P0920AFZZ	J	AC	Switch,Push Type [CD Tray Close]
SWB107	QSW-P0920AFZZ	J	AC	Switch,Push Type [CD In]
SWB108	QSW-P0920AFZZ	J	AC	Switch,Push Type [CD Set]

CABINET PARTS

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
201	92LCAB2695AS1	J		Front Panel Ass'y
201- 1	————		—	Front Panel (Not Replacement Item)
201- 2	PCUSG0022AWZZ	J	AB	Cushion,Leg
201- 3	HDECP0043AWSA	J	AE	Panel,Function
202	92LPNL2695AS1	J		FL Panel Ass'y
202- 1	HBDGB1006AWSA	J	AD	Badge,SHARP
202- 2	HDECQ0283AWSA	J	AU	Panel,FL Display
203	KNOB2695AASY1	J	AR	Disc No.Button Ass'y
204	KNOB2695BASY1	J	AT	Operation Button Ass'y
205	GCAB-1049AWSA	J	AR	Top Cabinet
206	GCOVA1173AWSA	J	AK	Cover,Disc Tray 1
207	GCOVA1174AWSA	J	AK	Cover,Disc Tray 2
208	GCOVA1175AWSA	J	AK	Cover,Disc Tray 3
211	GDORF0049AWSA	J	AM	Cassette Holder,Tape 1
212	GDORF0050AWSA	J	AM	Cassette Holder,Tape 2
213	GITAR0285AWSA	J	AT	Rear Panel
214	GITAS0044AWSA	J	AP	Side Panel,Left
215	GITAS0045AWSA	J	AP	Side Panel,Right
217	HDECQ0281AWSA	J	AH	Decoration Plate,Cassette Holder,Tape 1
218	HDECQ0282AWSA	J	AH	Decoration Plate,Cassette Holder,Tape 2
219	HDECQ0285AWSA	J	AL	Panel,Operation Botton
220	JKNBK0052AWSA	J	AF	Knob,Volume Up/Down
221	JKNBK0053AWSA	J	AF	Knob,Jog Dial
222	JKNBZ0455AWSA	J	AF	Button,Power On/Stand-by
223	JKNBZ0457AWSA	J	AF	Button,Function
224	JKNBZ0458AWSA	J	AF	Button,X-BASS
225	JKNBZ0459AWSA	J	AF	Button,SRS
226	LANGK0057AWFW	J	AE	Bracket,Heat Sink,Front
227	LANGK0058AWFW	J	AE	Bracket,Heat Sink,Rear
228	LANGK0059AWFW	J	AD	Bracket,Fan Motor
229	LANGK0104AWFW	J	AK	Bracket,Main PWB
230	LANGK0110AWFW	J	AE	Bracket,Cassette Lock,Tape 1
231	LANGK0111AWFW	J	AE	Bracket,Cassette Lock,Tape 2
232	LANGK0113AWFW	J	AL	Bracket,Main PWB Supt,Right
⚠233	LBSHC0002AWZZ	J	AD	Bushing,AC Power Supply Cord
234	LCHSM0065AWFW	J	AV	Main Chassis
235	LCHSZ0012AWZZ	J	AQ	Holder,CD Mechanism
237	LHLDZ1171AWZZ	J	AF	Holder,FL Display
238	LHLDZ1172AWZZ	J	AD	Holder,LED Operation,Left
239	LHLDZ1173AWZZ	J	AD	Holder,LED Operation,Right
240	LHLDZ1174AWZZ	J	AD	Holder,LED Disc No.
241	MLIFP0003AWZZ	J	AE	Damper,Cassette Holder
242	MLOKC0001AWZZ	J	AD	Cassette Lock,Tape 1
243	MLOKC0002AWZZ	J	AD	Cassette Lock,Tape 2
244	MSPRD0092AWFJ	J	AB	Spring,Cassette,Tape 1
245	MSPRD0093AWFJ	J	AB	Spring,Cassette,Tape 2
246	MSPRD0109AWFJ	J	AB	Spring,Cassette Lock,Tape 1
247	MSPRD0110AWFJ	J	AB	Spring,Cassette Lock,Tape 2
248	NFANP0001AWZZ	J	AD	Rotary Fan
249	PCUSG0022AWZZ	J	AB	Cushion,Leg
250	PRDAR0065AWFW	J	AD	Heat Sink,Diode
251	PRDAR0095AWFW	J	BB	Heat Sink,Main
252	PRDAR0096AWFW	J	AM	Heat Sink,Sub
⚠253	QACCA0001AW00	J	AM	AC Power Supply Cord [For Saudi Arabia]
⚠253	QACCB0005AW00	J	AQ	AC Power Supply Cord [For Hong Kong]
⚠253	QACCE0008AW00	J	AG	AC Power Supply Cord [Except for Australia/New Zealand/Taiwan/Saudi Arabia]
⚠253	92LCORDA1387C	J	AP	AC Power Supply Cord [For Australia/New Zealand]
⚠253	92LCORDT1699A	J	AL	AC Power Supply Cord [For Taiwan]

NO.	PART CODE	★	PRICE RANK	DESCRIPTION
254	QCNWN1102AWZZ	J	AE	Lead Wire with Lug
255	TCAUS0014AWZZ	J	AC	Label,Caution [Taiwan Only]
256	TLABB0001AWZZ	J	AB	Label,Japan [Brazil Only]
257	TSPC-0475AWZZ	J	AE	Label,Specifications [Taiwan Only]
258	92LCAUT1706A1	J	AC	Label,Class 3
259	92LCAUT1706B	J	AA	Label,Laser Caution
260	92LCLMP1810A	J	AC	Wire Holder
261	92LCSPR1431C	J	AA	Spring,Rotary Fan
262	92LLABL1204C	J	AA	Label,Made in Malaysia [For Australia/New Zealand]
263	92LN-BAND1318A	J	AA	Nylon Band,80mm
264	92LPANEL713A	J	AB	Panel,Made in Malaysia [For Jordan/Saudi Arabia/ Kuwait]
265	92LRDAT1587A	J	AC	Heat Sink,Diode
⚠ 266	QFSHD0001AWZZ	J	AB	Holder,Fuse
⚠ 267	92LLUG1746A	J	AA	Lug,Terminal
300	KMECB0006AWZZ	J	BS	Tape Mechanism Ass'y
300- 1	92PF513-810	J	AY	Head,Record/Playback/Erase [Tape 2]
300- 2	92PF513-811	J	AX	Head,Playback [Tape 1]
300- 3(MM1)	92PF525-319	J	AW	Motor with Pulley [Tape]
300- 4(PWB-H)	92PF567-612	J	AX	Tape 2 Mechanism PWB Ass'y
300- 5(PWB-G)	92PF567-613	J	AV	Tape 1 Mechanism PWB Ass'y
300- 6	92PFF17G-31	J	AG	Belt,Main
300- 7	92PF514-118	J	AK	Pinch,Roller Ass'y,Right
300- 8	92PF514-119	J	AK	Pinch,Roller Ass'y,Left
300- 9	92PFF18W-12	J	AF	Belt,Fast Forward/Rewind
300-10	92PFF19D-21	J	AG	Belt,Joint
601	LX-HZ0009AWFD	J		Screw,Special
602	LX-HZ0082AFZZ	J	AA	Screw,ø4×8mm
603	LX-JZ0010AFFD	J	AA	Screw,ø3×10mm
604	LX-JZ0022AFFD	J	AA	Screw,ø3×8mm
605	XBBSD20P04000	J	AA	Screw,ø2×4mm
606	XJBSD30P10000	J	AA	Screw,ø3×10mm
607	XHBSD26P04000	J	AA	Screw,ø2.6×4mm
608	XHBSD30P06000	J	AA	Screw,ø3×6mm
609	XJBSD30P10000	J	AA	Screw,ø3×10mm
610	XJBSD30P14000	J	AA	Screw,ø3×14mm
611	XJBSF30P10000	J	AA	Screw,ø3×10mm
612	XJBSF30P12000	J	AA	Screw,ø3×12mm
613	XJSSD30P10000	J	AA	Screw,ø3×10mm
614	XJBSD30P12000	J	AA	Screw,ø3×12mm

ACCESSORIES/PACKING PARTS

	DFZKN0001AW01	J		Label,VM/No.
	DFZKN0002AW01	J		Label,VM/Serial No.
	QANTL0006AWZZ	J	AG	AM Loop Antenna
	SPAKA0160AWZZ	J	AP	Packing Add.
	SPAKC0588AWZZ	J	AZ	Packing Case [For Australia]
	SPAKC0589AWZZ	J	AZ	Packing Case [Except for Australia]
	SPAKC0598AWZZ	J	AS	Packing Case [UAE/Middle and Near East/ Kuwait/Jordan/Egypt/Saudi Arabia/Syria]
	SPAKP0032AWZZ	J	AF	Polyethylene Bag,Unit
	SPAKZ0375AWZZ	J		Pad,Changer
	TCAUA0012AWZZ	J	AB	Caution Card,Operation Manual [Taiwan Only]
	TGANE0004AW07	J	AD	Warranty Card [Except for Australia/New Zealand]
	TINSZ0279AWZZ	J	AP	Operation Manual
	TLABE0202AWZZ	J	AB	Label,Bar Code
	TLABH0047AWSA	J	AH	Sheet,E/C Comparison A
	TLABH0048AWSA	J	AH	Sheet,E/C Comparison B
	TLABH0049AWSA	J	AH	Sheet,E/C Comparison C
	TLABJ0001AWZZ	J	AB	Label,SHARP Corporation JAPAN [China Only]
	TLABR0953AWZZ	J	AB	Label,Bar Code
	TLABS0091AWZZ	J		Label,Set NOM
	TLABS0092AWZZ	J		Label,Carton NOM [Mexico Only]
	TLABS0143AWZZ	J	AC	Label,CPA
	TLABZ0427AWZZ	J	AC	Label,Feature [Except for Australia/New Zealand]
	TLABZ0428AWZZ	J	AD	Label,Carton [Taiwan Only]
	TLABZ0431AWZZ	J	AC	Label,Feature [For Australia/New Zealand]

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
	TMAPC0093AWZZ	J	AC	Schematic Diagram A [Australia/Thailand Only]
	TMAPC0094AWZZ	J	AC	Schematic Diagram B [Australia/Thailand Only]
	TMAPC0095AWZZ	J	AC	Schematic Diagram C [Australia/Thailand Only]
	92LBAG1460C1	J	AB	Polyethylene Bag,Accessories
	92LBAG760C	J	AA	Polyethylene Bag,AC Plug Adaptor [For Saudi Arabia Only]
	92LFANT1746A	J	AD	FM Antenna
	92LG-CARD1266E	J	AB	Warranty Card [For Australia/New Zealand]
	92LLABL372C	J	AB	Label,Serial No.
⚠	92LPLUG027	J	AD	Adaptor,AC Plug [For Saudi Arabia]
⚠	92LPLUG155A	J	AG	Adaptor,AC Plug [For Middle South America]
	RRMCG0124AWSA	J	AX	Remote Control
	92LLID1782A	J	AQ	Battery Lid,Remote Control

P.W.B. ASSEMBLY (Not Replacement Item)

PWB-A1~3	92LPWB2695DPL1	J	—	Display/CD Switch/Headphone (Combined Ass'y)
PWB-B	92LPWB2695MAN1	J	—	Main
⚠ PWB-C1~3	92LPWB2695PWR1	J	—	Power Amp./Power Supply/CD Servo (Combined Ass'y)
PWB-D	92LPWB2695TUN1	J	—	Tuner
PWB-E	QPWBF0027AWZZ	J	AD	CD Motor (PWB Only)
PWB-F	QPWBF0322AWZZ	J	AC	Tray Switch (PWB Only)
PWB-G	92PF567-613	J	—	Tape 1 Mechanism
PWB-H	92PF567-612	J	—	Tape 2 Mechanism

CP-C1W

SPEAKER BOX PARTS

901	92L20100PC1W10	J		Net Frame Ass'y
902	92L200L0PC1W20	J		Front Panel Ass'y,Left
902	92L200R0PC1W20	J		Front Panel Ass'y,Right
903	92L100L2PC1W10	J		Speaker Box Ass'y,Left
903	92L100R2PC1W10	J		Speaker Box Ass'y,Right
904	HBDGS1006AWSA	J		Badge,SRS
905	92L205L0PC1W00	J		Speaker Duct,Left
905	92L205R0PC1W00	J		Speaker Duct,Right
906	92LPCATIXL12	J	AB	Holder,Catcher
907	92L21000PC1W00	J		Holder,Woofer
908	92L3141CPC1W10	J		C1 + Cord Ass'y (2.7 µF,100V,Film Capacitor)
909	92L44010212800	J		Cushion,Speaker Duct
911	92LG53-1203-08	J		Cushion,Speaker Cord,Woofer
913	92L44210610100	J		Cushion,Front Panel
914	92L42710000300	J		Bracket,Tweeter
915	92L6000CPC1W00	J		Label,Specification
916	92L411S84016AB	J	AD	Screw,ø4×16mm
917	92L411B840120P	J	AD	Screw,ø4×12mm
918	92L411N84020AB	J		Screw,ø4×20mm
919	92L411R130100P	J		Screw,ø3×10mm
920	92LN44-4025-45	J		Screw,ø4×25mm
SP1,2	VSP0020WB906A	J		Woofer
SP3,4	VSP0080TBN86A	J		Tweeter
SP5,6	92L303R0300510	J	AN	Super Tweeter

ACCESSORIES/PACKING PARTS

	SPAKC0595AWZZ	J		Packing Case,Speaker [Kuwait/Jordan/Egypt/Saudi Arabia Only]
	92L3191CPC1W10	J		Speaker Cord Ass'y
	92L6100CPC1W00	J		Label Feature,Speaker
	92L70032001110	J		Polyethylene Bag,Speaker
	92L71525002700	J		Mirror Mat
	92L720BCPC1W00	J		Packing Add.,Bottom,Speaker
	92L720TCPC1W00	J		Packing Add.,Top,Speaker
	92L74231001100	J		Pad,Speaker

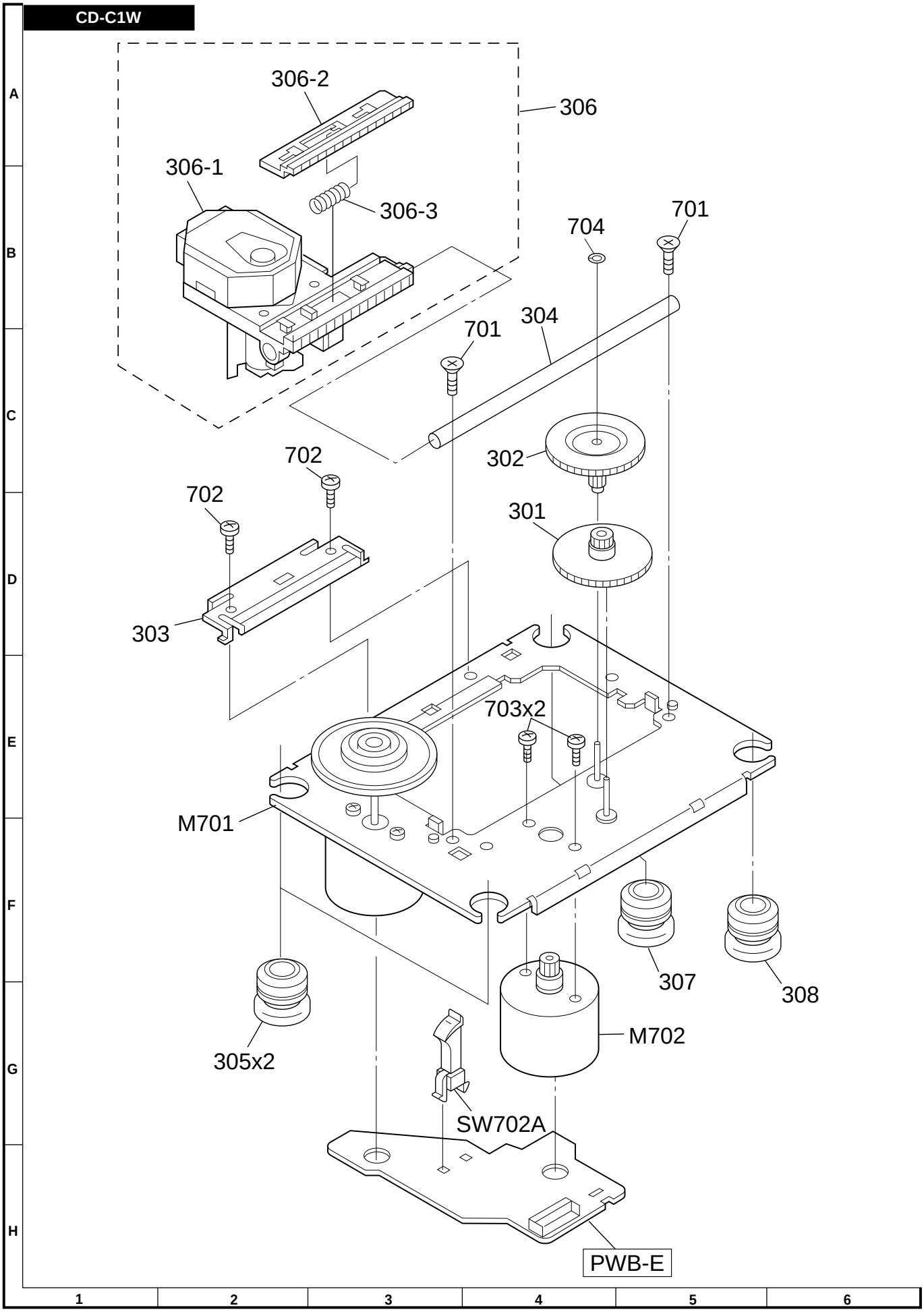


Figure 10 CD MECHANISM EXPLODED VIEW

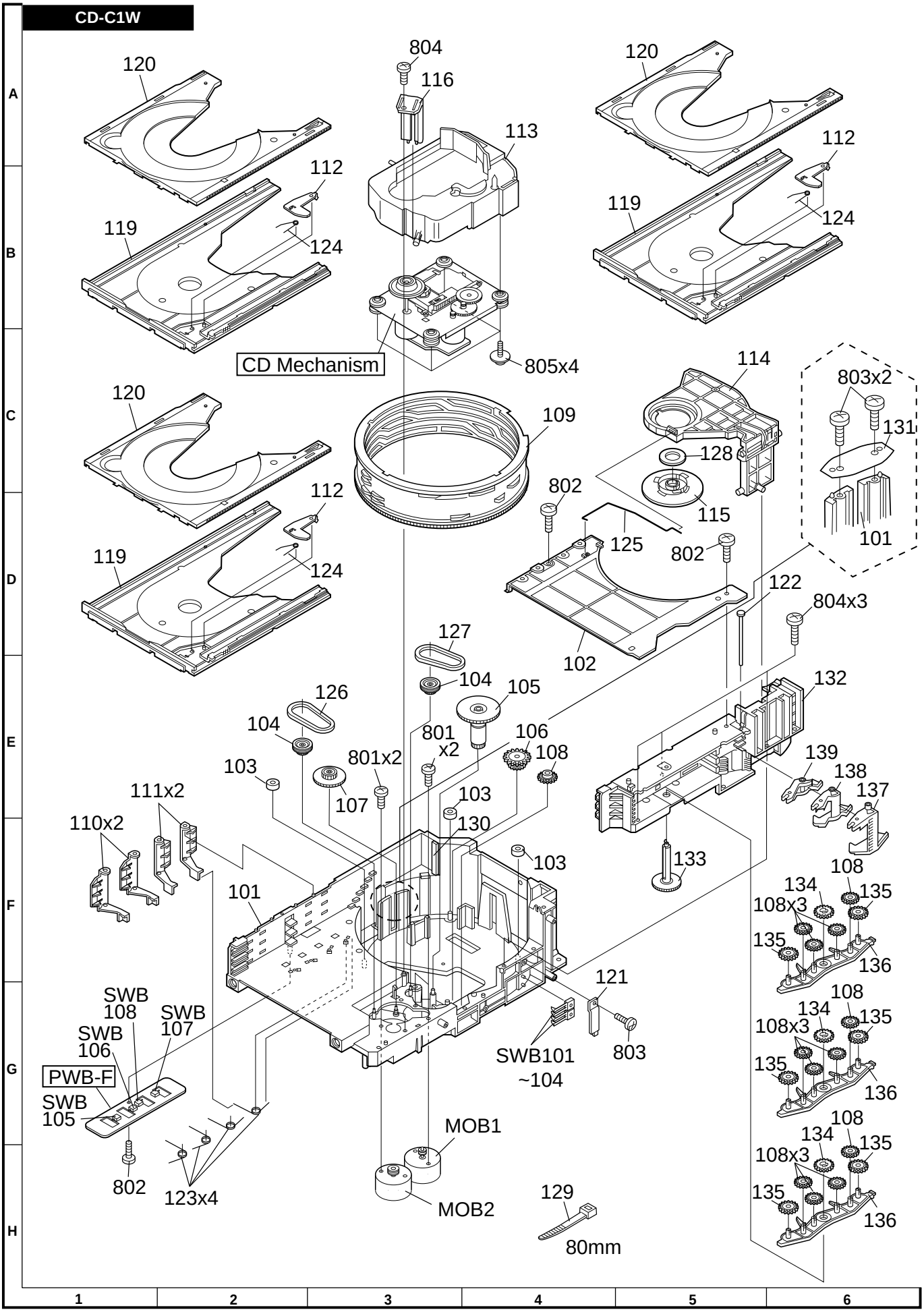
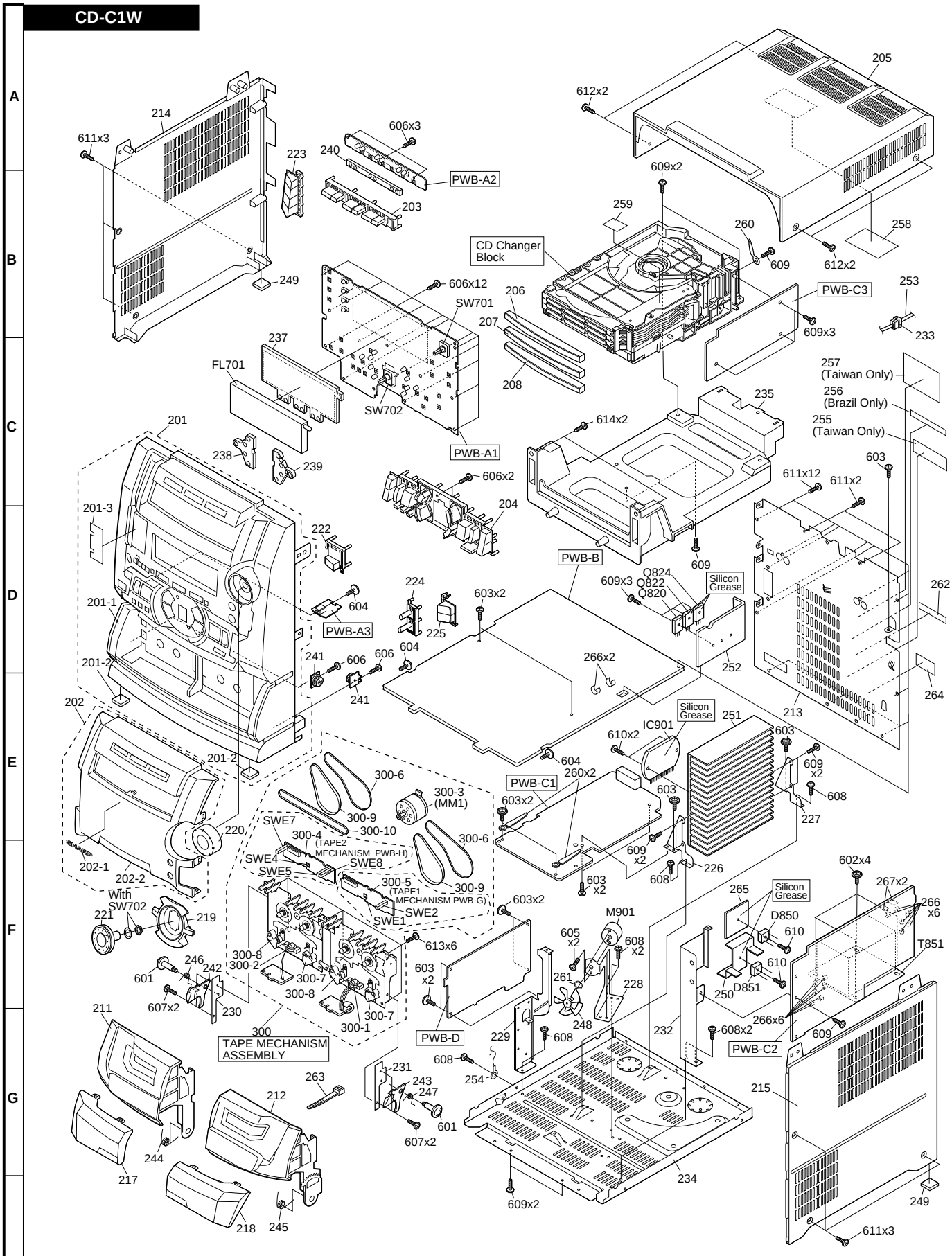


Figure 11 CHANGER MECHANISM EXPLODED VIEW

CD-C1W



Note: Only the unit and consumale parts are supplied as aprts supply for the Tape mechanism.

Figure 12 CABINET EXPLODED VIEW

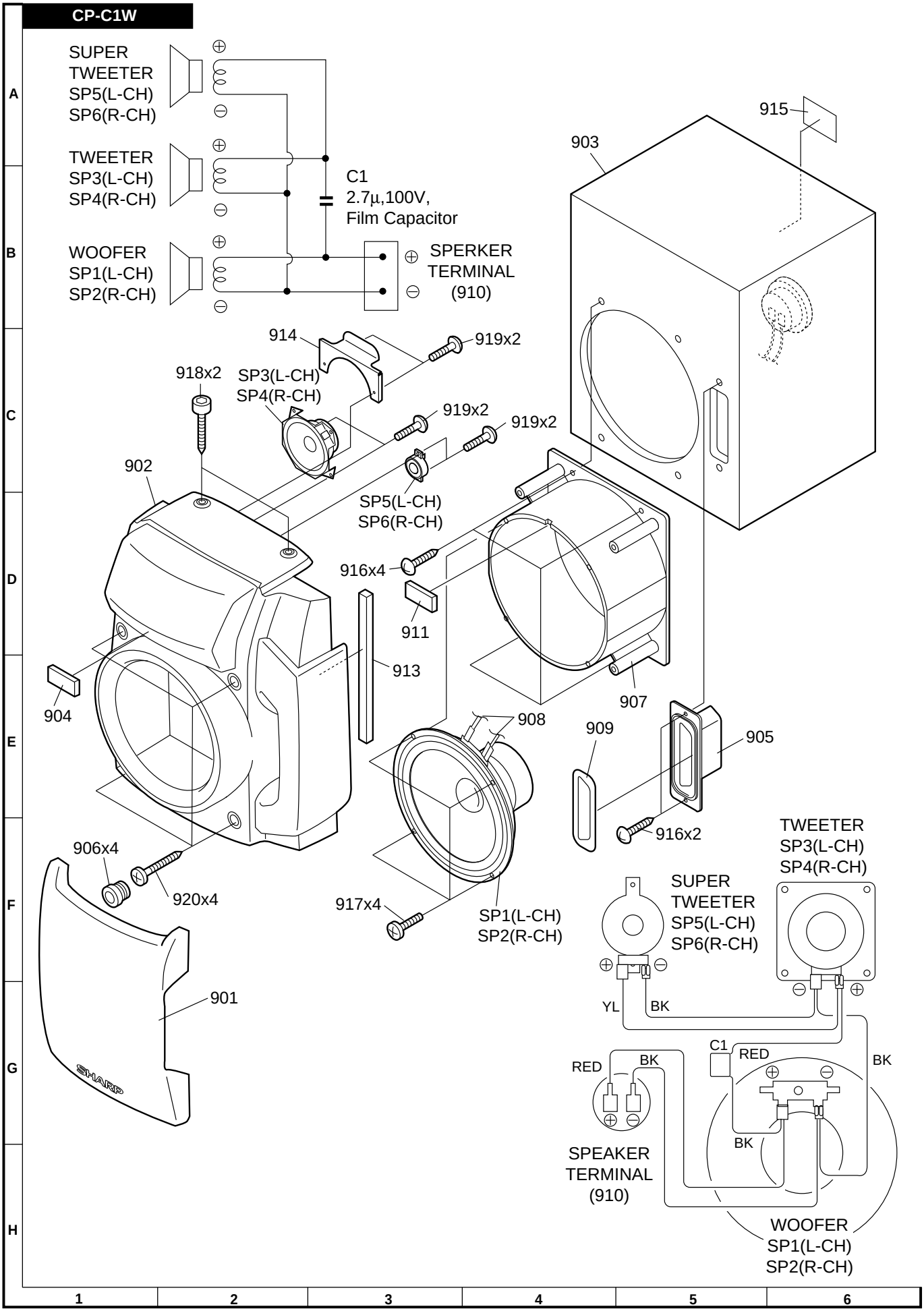


Figure 13 SPEAKER EXPLODED VIEW

— MEMO —

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